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#### ABSTRACT

This report summarizes test performance for 771,031 students tested on Armed Services Vocational Aptitude Battery (ASVAB) Form 2 during school year 1973-74, with separate normative tables provided by sub-test, aptitude composite, grade, sex and geographic region. New data are provided for minth grade and post-high school students. Information contained in the tables parallels percentile scores reported for individual students to be tested with ASVAB in school year 1974-75. Percentile tables in the present report are designed for use by high school counselors as an interpretative guide and a supplemental reference to the AFVTG computer printout of student test scores. Users are cautioned that 1974-75 represents the first time ASVAB percentile scores are to be computed around empirically developed student norms rather than representative service derived mobilization population samples. As such, the data are not representative of the total available high school population, but do characterize actual test performance of students examined during the preceding year's test cycle! Additionally, where individual test score comparisons from one year to the next may be required, the 1974-75 ASVAB percentile reports will represent different levels of student performance over previous reports (i.e., prior to September 1974). (Author/RC)

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# PERCENTILE NORMATIVE TABLES FOR THE ARMED SERVICES VOCATIONAL APTITUDE BATTERY (1973-74 SCHOOL YEAR DATA BASE)

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## RESEARCH DIVISION ARMED FORCES VOCATIONAL TESTING GROUP RANDOLPH AIR FORCE BASE, TEXAS

**DECEMBER 1974** 

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A previous report (Wilfong and Armstrong, 1974) summarized empirical norms for 870,000 students tested on the Armed Services Vocational Aptitude Battery (ASVAB) Form 1, during school year 1972-73. The current report summarizes test performance for 771,031 students tested on ASVAB Form 2 during school year 1973-74, with separate normative tables provided by sub-test, aptitude composite, grade, sex and geographic region. New data are provided for ninth grade and post-high school students.

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#### 20. ABSTRACT (CONTINUED)

Information contained in the tables parallel percentile scores reported for individual students to be tested with ASVAB in school year 1974-75. Percentile tables in the present report are designed for use by high school counselors as an interpretative guide and a supplemental reference to the AFVTG computer printout of student test scores.

Users are cautioned that 1974-75 represents the first time ASVAB percentile scores are to be computed around empirically developed student norms rather than representative service derived mobilization population samples. As such, the data are not representative of the total available high school population, but do characterize actual test performance of students examined during the preceding year's test cycle. Additionally, where individual test score comparisons from one year to the next may be required, the 1974-75 ASVAB percentile reports will represent different levels of student performance over previous reports (i.e., prior to September 1974).



#### **PREFACE**

A primary responsibility of the Research Division, Armed Forces Vocational Testing Group, is the publication and distribution of interpretative data associated with administration of the Armed Services Vocational Aptitude Battery (ASVAB). Data contained in the tables of this report summarize test results for 771,031 students tested on ASVAB, Form 2 only, during school year 1973-74. These tables are designed as a basic supplement to the technical appendix contained in the High School Counselor's Manual (DOD 1304.12X, 1973-74 edition).

Data contained in this report are intended for release to and application by high school ASVAB users. Normative data contained herein parallel individual student test results, reported in percentiles, as printed on the counselor's copy of the ASVAB computer printout for school year 1974-75.

The tabular information contained in this research note has been extracted from the ASVAB historical tapes maintained by the Computational Sciences Division, Air Force Human Resources Laboratory, AFSC, Lackland Air Force Base, Texas.

This technical research note has been conducted as a subpart of AFVTG research project unit 100, under guidelines prescribed through Department of Defense Instruction 1304.12 (December 1972).



#### **ABSTRACT**

A previous report (Wilfong and Armstrong, 1974) summarized empirical norms for 870,000 students tested on the Armed Services Vocational Aptitude Battery (ASVAB) Form 1, during school year 1972-73. The current report summarizes test performance for 771,031 students tested on ASVAB Form 2 during school year 1973-74, with separate normative tables provided by subtest, aptitude composite, grade, sex, and geographic region. New data are provided for ninth agrade and post-high school students.

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# PERCENTILE NORMATIVE TABLES FOR THE ARMED SERVICES VOCATIONAL APTITUDE BATTERY (1973-74 SCHOOL YEAR DATA BASE)

#### I. INTRODUCTION AND BACKGROUND

The initial standardization sample used in computation of norms for the Armed Services Vocational Aptitude Battery (ASVAB) as described in Bayroff and Fuchs (1970) has been used as a basis for percentile conversions of raw score data from 1968 through school year (SY) 1972-73. During this same time frame, the version of the battery used operationally in the Department of Defense High School Testing Program was ASVAB-Form 1. A description of each of the nine subtests (i.e., aptitude scales) comprising the battery is summarized in Appendix 1.

Form 2 of the ASVAB was introduced into the high school testing program in September 1973, and was the basic battery in use during SY 1973-74. The primary objective of this report is to summarize reference statistics, in tabular format, on Form 2 of the ASVAB based on actual student samples tested during SY 1973-74.

A. Contrast between Forms 1 and 2, ASVAB. Based primarily on research findings using unrestricted samples of Navy recruits (Thomas, 1970), items for inclusion in Form 2 - as extracted from pre-existing item pools - were selected around a decreased level of difficulty

Table 1

DISTRIBUTION OF P VALUES FOR ASVAB, FORM 1,

FOR AN UNRESTRICTED SAMPLE C NAVY RECRUITS (N = 2,274) \*a

		Nur	nber of	Items by	Value	Range	•	Mean p		
Sub- test	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	Value	
WK		1		1	. 2	. 2	9	10	.82	
AR		2	4	1	5	· 3	. 4	6	.71	
ık⊘		3	5		2	3	4	8	.73	
SP	1	5	1		2	4	7	5	.70	
MC	1	3		3	5	2	4	7	.70	
SI	do	4	3	3	2	2	` 2	9	. 69	
AI	1	1	4	14	3	3	6	3	<sup>*</sup> . 67	
EI	1	3	4		1	3	6	7	. 69	
TOTAL	5	22	21	11	22	22	42	55	.71	

<sup>\*</sup>a Adopted from Thomas, P. J. Naval Personnel and Training Research Laboratory, San Diego, California, January 1970.



(i.e., p-values) in relationship to Form 1. Ranges of p-values represented in the Form 1 version of the battery are shown in Table 1.

There are two subtests in Form 2 where the revised difficulty levels as recommended by Pat Thomas (1970) were not applied: Coding Speed (CS), because of its speeded nature renders establishment of individual item p-values unnecessary, and/ the difficulty level of the Word Knowledge (WK) subtest was, conversely, increased to improve both usable test variance and face validity.

It is essential that the ASVAB user understand the underlying nature of these differences between the two forms of the battery because year-to-year normative scales and individual scores change accordingly. In both cases, the content of the scales (viz. aptitude dimensions measured) and the scoring formulae (Rights minus 1/3 Wrongs except for the

Coding Speed subtest) remained constant.

B. Computation of Composite Percentiles. An additional administrative change was affected to the computerized scoring routine which also had a definite, but limited, impact upon ASVAB score distributions between SY 1973-74 and SY 1974-75. Due to the availability of empirical norms of actual student performance by grade, computation of percentiles for reporting to counselors and students was modified to an actual percentile equation system - by grade and sex - built around the tables shown in this research note. Table 2 shows composite computational formulae previously used during SY 1973-74 and earlier, and the new formulae, implemented in September 1974 for comparative purposes. The statistical impact of application of the new equations is to slightly compress each distribution around the mean (when compared to compositing formulae applied before September 1974).

Table 2
HIGH SCHOOL APTITUDE CONVERSION FORMULAS

Composite	SY 1973-74	SY 1974 +
(EL) Electronics	2EI(%) + MC(%)	2EI + MC
(GM) General Mechanical	$\frac{2SI(\%) + SP(\%)}{3}$	2SI + SP
(MM) Motor Mechanical	2AI(%) + MC(%)	2Ai + MC
(CL) Clerical	WK(%) + CS(%) 2	WK + <u>CS</u>
(GT) General-Technical	WK(%) + AR(%) 2	WK + AR

#### II. METHOD OF SAMPLING

Since the decision was made to build reporting percentiles around empirical norms established for each preceding school year; by definition, the sampling population consisted of all students tested on ASVAB. In turn, the school in which ASVAB was administered became the individual sampling unit. Conditions under which the ASVAB was administered varied from school to school as follows: required testing of all students, grades nine through 12; testing of only seniors interested in vocational careers; voluntary testing of only those students interested in pursuing a military career; or testing of male seniors only. The most frequently occurring, and the preferred mode of administration was testing of all students, male and female, in grades 10 and 12; with the senior administration representing a retesting of sophomores previously examined with the battery.

As a result of these differing modes of testing, few, if any, inferences can be drawn concerning the level of individual student motivation to perform at optimum levels on the battery. It is known that value of the results to the individual is strongly stressed during the standardized ASVAB test administration instructions and participation on the part of each student is strictly voluntary in accordance with Department of Defense policy.

The distribution of sampling units (i.e., schools) and students tested by grade by state are shown in Table 3.

NUMBER SCHOOLS (SAMPLING UNITS)
AND STUDENTS TESTED BY GRADE - ASVAB, FORM 2, SY 1973-74

State	Number Schools	09	Grade of	Studei 11	nts 12	12+	Total *a
Alaska	22	37	130	371	492	3	(1058)
Alabama	362	49	85	1104	24991	222	(24991)
Arkansas	166	Λ	185	924	4617.	93	(6157)
Arizona	81	809	1037	1452	2956	. 7	(6562)
California	736	4061	10046	17306	22366	388	(56646)
Colorado	152	633	2652	2805	3032	19	(9589)
Connecticut	153	2310	4923	5 <b>2</b> 85	589 <b>2</b>	27·	(18653)
District of Columbia	16	164	322	458	875	8	(1911)
Delaware	24	360	317	1028	911	3	(2662)
Florida	, <b>317</b> .	1456	9959	9276	17975	223	(39344)
Georgia	312	8717	2700	5255	19432	1266	(395 <b>2</b> 6)

4							
H <b>a</b> waii	22	0	36	354	1130	2 د	(1559)
Iowa	380	883	1628	3161	6231	31	(12208)
Idaho	90	267	1140,	1225	2994	33	(5852)
Illinois	574 .	2531	90 <b>9</b> 7	12333	20754	135	(46129)
Indiana	283	3901	9507	10298	12645	122	(37772)
Kansas	105	۹	•	<b>9</b> 39	1835	14	(3081)
Kentucky	217	عادلاً	4046	3599	13014	130	(22203)
Louisiana '	187	109,	1057	3407	8066	160	(13383)
Massachusetts	224	3052	4594	6263	9087	, 160	(24288)
Mary land	130	233	2718	3893	5890	93	(13621)
Maine	100	277	1314	2613	2054	35	(6503)
Michigan		812	3686	6584	10777	95	(22812)
Minnesota	316	3	1389	3599,	5690	66	(11279)
Missouri	253	931	4490	7388	10366	45	(23795)
Mississippi	143	44	401	1612	6297	38	(9133)
Montana	118	232	172	1364	2234	8	(4129)
North Carolina	204	1681	2786	3440	13312	74	(22029)
.North Dako a	. 179	28	174	2311	3400	19	(6275)
Nebraska	269	778	3065	2872	5537	73	(12825)
New Hampshire	78	526	2500	1832	1452	9	(6751)
New Jersey	237	1367	4011	6223	9669	132	(22339)
New Mexico	50	433	1665	924	1687	4	(4779)
Nevada	43	502	2645	821	; ,	2	(4816)
New York	693	2499	7973	15809	13495	166	(41277)
Ohio	477	3585	5970	9795	19858	139	(41467)
Oklahoma	108	31	1224	1224	4252	21	(7056)
Oregon	143	476	996	2319	3114	10	(7204)

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Pennsylvania	576	7835	10937	13451	31459	194	(66323)
Rhode Island	33	4,	1363	403	1351	8	(3225)
South Carolina	196	722	1147	2863	10643	193	(16593)
South Dakota	111	_33	758	1442	2197	5	(4586)
Tennessee	156	518	465	1819	11923	123	(15325)
īex <b>a</b> s	474	4265	11016	10334	21937	728	(50117)
	70	, 68	790	1376	1998	37	(4410)
Virginia	<b>22</b> 3	129	3731	4411	13461	364	(22878)
Virgin Islands	l <b>2</b>	0	1	253	199	2	(455)
Vermont	60	11	1507	598	917	3	(3139)
, Washington	264	57	1223	4987	8700	59	(15394)
Wisconsin	158	163	745	2306	3426	57	(6824)
West Virginia	151	1388	4490	<b>2</b> 593	6759	41	(15829)
Wyoming	41	77	98	593	1041	8	(1875)
Puerto Rico	22	· · 0	2	149	574	70	(802)
TOTAL	10783	<b>5942</b> 6	148607	209045	415730	5986	(872493)

<sup>\*</sup>a Total row values are not summation of individual grades but include students tested whodid not indicate grade on the ASVAB answer card.

Refer to footnote 1 for a detailed description of reasons for the difference between total students tested on ASVAB-2 (N= 872,493) and the 771,031 cases used in the sample(s).

During SY 1973-74, a total of 1,100,248 students were tested on both Forms (1 and 2) of the battery. Of this number, 872,493 (89.3%) were tested on Form 2. Of the students tested on Form 2, 476,017 (or 54.55 percent) were males.

Although test norms are reported for students in a post-high school status (the

12 + column in Table 3), caution must be exercised in generalizing these data to any nation-wide populations. A standard part of the ASVAB test administration instructions directs students to code the last grade completed on the answer card as the indicator of current grade level and some of the responses coded at the post-secondary level may represent



NATION-WIDE TEST PERFORMANCE, STUDENTS TESTED ON FORM 1 (SY 1972-73) vs FORM 2 (SY 1973-74)

Subtest .	Form 1	(72-73) Mean	SD ,	Form 2	2 (73-74) Mean	SD
<del></del>	<del> </del>	7				
Coding Speed	8 <sub>7</sub> 3626	.48.56	15.02	771031	48.55	14.05
Word Knowledge	873645	17.0 <b>9</b>	6.25	771031	13.78	4.99
Arithmetic Reasoning	873645	12.18	5.9 <b>9</b>	771031	13.29	5.85
Tool Knowledge :	873636	10.27	5.76	771031	10. <b>9</b> 8	6.17
Space Perception	873637	9.95	5.59	771031	13.45	5 <b>.69</b>
Mechanical Comprehension	873637	11.35	4.85	771031	12.51	5.05
Shop Information	873635	9.77	5.46	771031	11.60	5.48
Automotive Information	873636	8.58	6.24	771031	11.48	5.20
Electronic Information	873628	10.08	5.85	771031	11.16	5.6 <b>8</b>

<sup>\*</sup>a Numbers vary from subtest to subtest as a result of some few students failing to complete all portions of the battery. Only complete results were used in computation of means and standard deviations.

a genuine misunderstanding of standardized instructions. To a lesser extent, the same potential source of error variance impacts upon distributions reported for grades nine through 12.

## III. RESULTS (DEVELOPMENT OF ASVAB REFERENCE TABLES)

Data summarized in the tables appended to Appendix 2 were constituted on the basis of 771,0311 students tested on ASVAB (Form 2).

Differences between empirical norms for students tested on Form 1 (SY 1972-73) and Form 2 (SY 1973-74) are summarized in terms of overall subtest means and standard deviations in Table 4. Most of the difference between the two samples is a function of "engineered" redistributing of item difficulties resulting from recommendations contained in Thomas, 1970, (op. cit.) and submitted by other service researchers.

Information shown in Tables 1 through 19 (Appendix 2) are characteristic of all students tested - by subtest and composite - on the battery during the preceding year's test cycle. The resultant percentiles are not a random representation because the 771,031 students tested did not accurately reflect all strata of any



The difference between total number of students tested on ASVAB-2 in SY 1973/74 (N-872,493) and number used in the norming sample (N-771.031) is a function of cases dropped because of student failure to code grade or sex on the answer card and termination of the norming group on 31 Mar 74 (i.e., students tested after 31 Mar 74 are not included in these data tables)

nation-wide population who might be expected to eventually take ASVAB, but they are true empirical norms.

Tables in Appendix 2 are;

Tables 1-9: Show raw score to percentile conversions by subtest recorded by grade and sex. Separate conversions are recordly: grade and sex, overall grade, and total national percentiles.

Tables 10-14: Reflect the same information as shown in Tables 1 through 9, but report percentiles for each of the five ASVAB composites. Actual scores reported on the student record portion of the gummed label printout provided by AFVTG to high school counselors are extracted from these tables. Data in Tables 1 through 14 serve as the norming base for constitution of the counselor's portion of the gummed label printout.

Table 15: Shows raw score to percentile conversions on subtests and composites for ninth graders and post-high school graduates only. As indicated earlier, caution should be used in generalizing from these data to any nation-wide populations. It is further stressed that applicability of ASVAB at the ninth grade level has yet to be established.

Tables 16-17: Show overall means and standard deviations by subtest and composite by geographic grouping for grade and sex. To the extent that prescribed geographic regions represent competitive labor markets, these data are expected to serve as an overall occupational "expectancy" norming referent. The groupings of states in each of the ten regions were defined in accordance with the first number in the fivedigit zip code system prescribed by the US Postal Service, This process was used primarily due to the simplicity in extracting data from historical ASVAB computer banks2.

<sup>2</sup>Separate raw score to percentile conversion tables have been prepared for geographic region to display information - by region - as shown in Tables 1 through 14 in Appendix 1. These tables are available from the Armed Forces Vocational Testing Group upon request

Tables 18-19: Report subtest and composite means and standard deviations by grade and sex for nation-wide samples.

#### IV. INTERPRETATION

The ASVAB percentile tables summarized in this report are not self-interpreting, in that the manner in which a test score is reported to a student represents a descriptive rather than an absolute indicator of aptitude performance.

Percentile tables do indicate levels of achievement relative to known samples of students who have previously taken ASVAB. The data are also useful in defining the range of scores, extent of skewness, and areas of restricted variance. Users are referred to classical psychometric texts, such as Guion (1965), Cronback (1960), or Anastasi (1970) for a more complete discussion of normative interpretation.

A. Subtest Scores: As part of a programmed annual reissue of student ASVAB normative data, based upon samples tested during each preceding school year, both total sample N's and associated percentile scales are expected to display moderate fluctations. In this respect, yearly changes in this nation-wide standardized examination should be expected in successive AFVTG Technical Research Notes.

For this reason, the Armed Forces Vocational Testing Group supportive computer system used to report individual ASVAB test scores has been programmed to generate percentiles yearly against nation-wide performance on the complete battery during the preceding school year. As an example, the counselor/student report of subtest and composite percentiles (Figure 1) summarizes a student's ASVAB record (who was tested during school year 1974-75), computed against national norms derived from actual experience of test performance across all students - during school year



#### **COUNSELOR PRINTOUT GUIDE**

	JRLONG, BILL G. M 11'065386066 15JAN73	
	AW/NATL/GRADE/GRADE-SEX ASVAB-2-	——Te⊾t Form
	669/93/91/95 WK18/78/74/74 AR24/95/94/92	V 000 / 2 / / /
	K11/53/49/21 SP22/92/91/88 MC07/14/12/07	Subtest Result
	13/55/52/25 AI09/28/23/08 EI12/49/43/21	
GEN TECH 94 EI	LEC-38 MM-20 GM-75 CL-94 GT-94	Composite

#### **APTITUDE COMPOSITES**

#### **ELEC** Electronics Coding Speed MO MEC WK - Word Knowledge Motor Mechanics **GEN MEC** General Mechanics AR - Arithmetic Reasoning CL ADM - Clerical/Administrative TK - Tool Knowledge CENTECH - General/Technical SP Space Perception MC - Mechanical Comprehension - Shop Information ΑĪ **Automotive Information** FI **Electronics Information**

Figure 1

1973-74 as aisplayed in the tables contained in this report. Similarly, percentile scores reported for individuals to be tested in SY 1975-76 will be based on empirically available norms computed upon 1974-75 ASVAB test performance for both subtest and composite scores.

Individual student ASVAB scores as reflected in Figure 1 are related to varying levels of nation-wide samples as follows (Sample sizes are shown in Tables 18 and 19, Appendix 2).

1. The first value reported for subtests is attained raw score where the computational formula is Rights minus 1/3 Wrongs (except for the Coding Speed subtest). These scores are presented for the benefit of those schools/districts/states desiring to transform attained values to other normative scales (e.g., Stanine scales, Z scales, normalized percentiles, and similar standardized scales).

2. The second reported subtest value is a percentile score based upon all individuals tested on ASVAB during the preceding school year. As mentioned previously, these percentile ranks embrace a range from ninth grade through junior college, technical institute, or community college.

SUBTESTS

- 3. The second percentile rank reported (i.e., the third value shown on the printout for each student) represents all individual scores by subtest, by grade. Since the majority of persons tested with ASVAB fall between grades 10 through 12, percentiles (Tables 1-14) are restricted to these levels.
- 4. The final score recorded for each student reflects nation-wide percentiles for both grade and sex. As a counseling aid, various combinations of tabled percentiles may prove useful in aiding students in career decision. For example, in

counseling an 11th grade female interested in possible entry into the Electronics field, it may be desirable to contrast her attained scores against percentile distributions for 12th grade males, since the latter group best represents a realistic pool of competitors for initial entrance into the labor market.

B. Use of ASVAB Composites: Occupational placement and vocational counseling are more efficiently accomplished on the basis of the results of several measurements in combination rather than on the score from a single -scale (or subtest). The underlying rationale is that most occupations involve multiple combinations of aptitudes, skills, and abilities; that is, they are factorially complex, involving interaction of several different types of learning and environmental experiences. It is also emphasized that the initial conceptualization involved in formulating ASVAB (Bayroff and Fuchs, 1970) assumed that optimum validity for the battery would be best achieved through combination of subtests into composites. For these reasons, it is the aptitude composite that possesses maximum utility for student counseling: and, in turn, normative scales for the separate composites in this summary have the most valid basis for interpretation. Additionally, the various · validity studies thus far conducted on ASVAB as related to criteria of academic (Harris and Huckell, 1974) or training (Vitola, Mullins and Croll, 1973; and Thomas, 1970, op. cit.) report validity on the battery only in terms of composite test performance. As an added aid to counselor interpretation, the following supplemental description of the five ASVAB student composites should be reviewed in relationship to specific percentile norms as reported in the various tables appended to this report.

1. General Technical (GT): As demonstrated by Harris and Huckell, op. cit., the general-technical composite best represents the student's capability for potential performance in occupational

areas requiring overall academic ability. The composite is composed of unit weighting the Word Knowledge (WK) and Arithmetic Reasoning (AR) subtests of ASVAB. Males and females perform at essentially the same level, across all grade levels, on this composite.

- 2. Clerical (CL): This composite measures the student's ability relevant to performance in the range of clerical and administrative occupations. The composite consists of the Clerical Coding Speed (CS) and Word Knowledge (WK) subtests of the battery. On this composite it is to be noted that females consistently score higher than males.
- 3. Electronics (EL): This composite measures student skills in terms of abilities related to electrical/electronic knowledge to include electrical theory, schematics, and test equipment. The composite is computed from the Electronic Information (EI) and Mechanical Comprehension (MC) subtests. On this composite a distinct and significant difference (p < .001) existed between male and female test results, with males performing significantly higher.
- 4. General Mechanics (GM): This composite is correlated with performance requiring abilities in a variety of mechanical, skilled trades, and trade occupations (for sample vocational jobs refer to Volume II, DOD 1304.12Y, of the ASVAB Counselor's Manual). The GM composite consists of the ASVAB Shop Information (SI) and Spatial Perception (SP) scales. As with the EL composite, the GM composite shows consistent differences between male and female test performance.
- 5. Motor Mechanics (MM): This composite measures skills, knowledge, and achievement related to engine, automotive, and mechanical repair operations and related jobs. It is composed of measures of Automotive Information (AI) and Mechanical Comprehension (MC), Again, males consistently possess higher mean scores than females.



As is the case with most nation-wide standardized aptitude test batteries, interpretation of ASVAB against locally developed and maintained test norms is highly encouraged. It is at the local level that student test data can be compared against other predictor variables such as actual classroom performance, outside activities, and similar noncognitive factors; all of which are essential to the individual guidance and counseling process.

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#### Appendix 1

#### **DESCRIPTION OF ASVAB SUBTESTS**

#### TESTS IN THE ARMED SERVICES VOCATIONAL APTITUDE BATTERY (ASVAB)

- 1. Coding Speed Test (CS). In this test there is a key and 100 items. The key is a group of words with a code number for each word. Each item presents one word for which the examinee indicates the code number.
- 2. Word Knowledge (WK). Each item requires the examinee to select the correct synonym for a specified word.
- 3. Arithmetic Reasoning (AR). Each item is a reasoning problem involving application of the arithmetic process.
- 4. Tool Knowledge (TK). Each item presents five drawings of various tools or shop equipment. The examinee indicates which of the four alternative drawings goes best with the lead drawing.
- 5. Space Perception (SP). Each item consists of five drawings: A pattern and four boxes. The question to be answered is which one of the boxes can be made by folding the pattern.
- 6. Automotive Information (AI). Each item asks a question about the identification or operation of automobile parts.
- 7. Shop Information (SI). This test has questions about shop practices and the use of tools. Many of the items contain drawings.
- 8. Mechanical Comprehension (MC). Each item includes a drawing, or drawings, illustrating some physical principle and a question.
- 9. Electronic Information (EI). This test has questions about elementary principles of electricity and about electrical/electronic devices, drawings, and equipment.



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,		11th Female	95	95	96	96	97	6	26	86	86	86	8	86	86	66	66	66	66	66	66	66	66	66	66	66	66	66	77528
		10th Grade	6	86	86	86	86	8	88	88	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	126585
		10th Male	88	88	66	66	66	66	66	66	66	. 66	66	66	66	66	. 66	66	66	66	66	66	66	66	66	66	66	66	66445
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TABLE 3

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TABLE 4

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32         4         17         man_28         3         14         28         2         14         15         20         44         15         41         4         20         22         40         46         60         22         41         4         20         22         9         60         10         34         55         7         29         54         7         28         30         22         7         29         54         7         28         30         22         90         7         28         30         22         7         29         55         7         29         54         7         28         30         60         30         7         28         30         60         30         7         28         30         60         31         46         31         46         31         46         31         46         31         46         31         46         31         46         31         46         31         46         31         46         31         46         31         46         41         40         32         40         41         40         40         40         40	2 5	. ~	10	92	-	ω	17	-	œ	<u>م</u>	ষ্ঠ
46         6         25         41         5         21         41         4         20         22         9           60         10         34         55         7         29         54         7         28         30         60         90         17         29         7         28         30         55         7         28         30         60         30	6 C	ı 4	: 11	78	, m	14	28	2	, <b>7</b> 2		, <b>50</b>
60         10         34         55         7         29         54         7         28         30           60         11         35         57         8         30         55         7         28         71         90         71         28         71         90         71         39         71         39         71         39         71         39         71         39         71         39         71         39         71         39         71         39         71         46         76         71         39         71         49         53         40         71         49         53         41         46         76         71         49         53         40         71         49         53         40         71         49         53         40         71         49         53         40         46         60         71         40         53         41         66         94         37         66         40         53         41         40         53         43         46         40         53         43         40         40         40         40         40         40         40	32 A6	· uc	: 52	<b>a</b>	S	12	4	4	20	22	98
62         11         36         57         8         30         65         7         28         71         90           74         16         44         69         12         38         67         11         36         39         01           84         23         52         80         17         46         76         15         43         46         19         39         40         19         39         40         19         39         40         19         39         46         19         39         46         19         53         40         19         53         40         19         53         54         51         49         53         41         66         94         52         50         54         53         41         66         94         37         62         60         54         45         66         94         45         66         94         45         46         66         94         45         66         94         45         66         94         45         66         94         45         66         94         46         46         66         94         46	Q	· <u>c</u>	7	: 53	, ,	53	54	7	28	30	00
74         16         44         69         12         38         67         11         36         39         0           94         23         52         80         17         46         76         15         43         46         19           90         31         59         87         24         52         85         21         49         53         46         19           91         32         60         87         24         52         85         50         53         46         19         53         46         19         53         46         19         53         50         53         50         53         50         53         50         53         50         53         50         54         53         50         50         54         50	8 6	? =	; ;	57	80	30	55	7	28	5	89
84         23         52         80         17         46         76         15         43         46           90         31         59         87         24         52         85         21         49         53           91         32         60         87         24         53         86         22         50         54           95         41         66         94         37         62         60         94         37         66         94         37         66         60         94         37         66         60         94         37         62         66         94         37         62         66         94         95         66         94         37         62         66         94         95         66         94         95         66         94         95         96 <td>79 **</td> <td>: 4</td> <td>Ŷ <b>7</b></td> <td>69</td> <td>12</td> <td>38</td> <td>19</td> <td>Ξ</td> <td>36</td> <td>39</td> <td>60</td>	79 **	: 4	Ŷ <b>7</b>	69	12	38	19	Ξ	36	39	60
90         31         59         87         24         52         85         21         49         53           91         32         60         81         24         £3         86         22         50         54           95         41         66         94         37         62         60         94           97         51         72         95         41         66         94         37         62         60           98         60         78         97         50         77         96         46         68         72           99         78         99         77         99         64         79         83           99         85         92         69         77         99         74         88           99         85         92         99         74         85         88           99         91         95         96         96         96         96         97         98           99         91         92         92         93         93         94         95           99         99         99         99	† V	2 %	: 25	80	11	46	3/2	5	43	46	01
91         32         60         87         24         €3         86         22         50         54           95         41         66         92         32         60         91         29         56         60           97         51         72         60         71         96         45         62         60           98         60         78         97         50         77         98         46         68         72           99         70         84         98         60         77         98         64         79         88         72           99         70         88         99         64         79         88         77           99         85         92         77         88         99         74         88         87           99         85         92         74         85         87         88         99         74         88           99         95         96         96         96         96         96         96         97         96           99         95         96         96         96         96	, c	3 7	. ¢	. 18	24	52	82	, LZ	49	53	11
95         41         66         92         32         60         91         29         56         60           97         51         72         95         41         66         94         37         62         66           98         60         18         97         50         77         96         46         68         72           99         70         84         98         60         77         98         55         74         78           99         78         88         99         64         79         83	S 8	; ;	S 6	87	24	ន	98	22	20	54	12
97         51         72         95         41         66         94         37         62         66           98         60         72         96         45         68         72           99         70         84         98         60         77         98         55         74         78           99         78         99         64         79         83         77         83           99         85         92         99         74         85         87         87           99         85         92         99         74         85         88         89           99         85         92         92         94         74         85         88           99         85         92         92         92         92         92         92         92           99         95         99         92         99         92         99         94         96         96           99         98         99         99         99         99         99         99         99         99         99         99         99         99         99	16 90	. T	3 9	. 6	32	09	16	53	99	09	13
98         60         78         96         45         68         72           98         60         72         96         46         68         72           99         70         84         98         60         77         98         55         74         78           99         78         88         99         64         79         83         83         83         83         83         83         79         74         78         78         83 <td>. 6 70</td> <td>:</td> <td></td> <td>95</td> <td>14</td> <td>99</td> <td>96</td> <td>37</td> <td>ę<b>5</b></td> <td>99</td> <td>14</td>	. 6 70	:		95	14	99	96	37	ę <b>5</b>	99	14
98         60         77         96         46         68         72           99         70         84         98         60         77         98         55         74         78           99         78         88         99         64         79         83           99         85         92         93         77         87         99         74         85         87           99         85         92         93         78         88         99         74         85         88           99         91         95         94         95         99         74         85         98           99         91         95         91         95         91         95         94         95           99         98         99         91         95         99         95         99         95         99	6 8	; 4	į α	. 6	20	11	96	45	88	7.3	15
99         70         84         98         60         77         98         55         74         78           99         78         88         99         64         79         83           99         85         92         99         74         85         87           99         85         92         74         85         88         87           99         91         95         92         99         74         85         92           99         95         99         91         95         99         94         95           99         96         96         98         99         95         97         98           99         99         96         98         99         95         99	p 0	3 6	, 87	. 6	20	72	96	46	88	72	16
78         88         99         64         79         83           85         92         99         77         87         99         74         85         87           85         92         74         86         99         74         85         88           91         95         99         74         85         90         92           95         98         91         95         94         95           98         99         96         96         99         95         97         98           98         99         96         96         98         99         95         97         98           98         99         99         96         98         99         95         97         98           99	o 6	8 5	2 8	; <b>8</b>	09	77	86	55.	74	78	11
85         92         77         87         99         74         85         87           85         92         99         74         85         88         88         88         88         88         88         88         88         88         88         88         89         92         92         92         92         92         92         92         92         92         94         95         95         94         95         98         94         95         98         99         98         99         98         99         98         99         98         99         98         99         98         99         98         99         98         99         98         99         98         99         98         99 </td <td>66 6</td> <td>2 9</td> <td>5 8</td> <td>? <b>?</b></td> <td>69</td> <td>83</td> <td>66</td> <td>- 49</td> <td>79</td> <td>83</td> <td>18</td>	66 6	2 9	5 8	? <b>?</b>	69	83	66	- 49	79	83	18
85     92     74     85     88     88     88       91     95     99     82     90     92       95     98     99     94     95       98     99     94     95       98     99     94     98       98     99     95     97     98       98     99     95     97     98       99     99     99     99     99     99       99     99     99     99     99     99       99     99     99     99     99     99	56 S	0/ 8	3 &		11	83	66	The second second	85	87	19
99     91     95     92     92     92     92       99     91     95     94     95       99     96     99     99     96     98       99     98     99     96     99     99       99     99     99     99     99     99       99     99     99     99     99     99	66 8	8 8	; 8	5	. 48	88	66	74.	85	88	20
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99 99 99 99 99 99 99		2 8	; } }		96	86	66	95	26	86	24
771031		2 8	<u> </u>		66	66	66	8	66	66	52
		6	20000	77528	92011	170204	171774	216238	389759	171031	z



Space Perception

Raw Score to Percentile Conversion Tables - by Grade and Sex, By Grade, and National Total

																			J.							
Raw Scores	01	05	03	94	05	90	07	03	60	10	=	12	13	14	15	91	17	18	19	20	12	22	23	24	52	z
National Total		~	æ	4	vo	6	13	14	19	92	33	34	42	51	59	09	89	75	83	82	88	95	96	96	66	77103
12th Grade		2	ю	m	'n	80	12	12	18	24	31	32	, 40,	48	99	99	64	72	79	79	98	16	95	95	86	389759
12th Male		2	٣	ო	4	7	10	10	15	50	27	27	35	42	20	51	59	29	74	. 75	82	88	96	\$	, 86	216238
12th Female		2	ю	₹	9	10	14	15	23	28	36	37	46	55	63	64	72	78	84	85	8	96	16	66	66	171774
1.th Grade		2	က	ю	4	7	Ξ	_	16	22	53	30	38	. 46	54	55	64	1,1	78	79	85	16	95	96	86	17 0204
11th Male		2	ю	Э	4	9	6	10	14	19	.52	56	33	41	49	20	28	99	74	75	. <b>28</b>	89	94	96	88	92011
llth Female		2	ю	æ	5	ω,	12	13	19	56	34	35	43	25	19	29	70	7.1	83	84	06	94	6	26	66	77528
10th Grade 1	. 2	2	4	4	7	10	15	91	22	30	38	39	48	57	65	99	74	80	98 .	98	16	88	86	86	66	126535
10th Male																										
10t Female		<b>с</b> -т,	47	4	ဗ	12	18	18	52	34	43	43	53	29	70	1,	78	85	96	06	94	26	66	56	66	59586
Raw Scores	10		<b>,</b> 60	90	90	98	07	8	60	) OI	=	12	13	14	15	<b>₽</b> /	12	18	19	20,	12	22	23	24	25	z



171031

216238

171774

170204

Mechanical Comprehension

0 & below Raw Scores National Tetal Raw Score to Percentile Corversion Tables - By Grade and Sex, By Grade, and National Total 12th Grade 12th Male 11th Grade 11th Male 10th Grade

126585 59586 10th Female 66 0 & below Raw Scores 20 22

TABLE 7
Shop Information

			Raw Score to	Percentile (	Conversion Ta	tbles - By Gr 11th	ade and Sex, E	3y Grade, and	National Tot		3 6
4         1         1         1         1         1         1         1         1         2         4         1         2         3         3         3         3         3         3         3         3         3         3         3         3         3         4         6         2         3         1         4         5         6         6         10         2         3         10         5         6         6         10         5         10         5         6         10         5         6         6         10         5         6         6         10         6         10         5         6         10         5         6         6         7         6         10         5         6         7         6         7         6         7 <td< th=""><th>Male</th><th></th><th>Grade</th><th>Fema le</th><th>Male</th><th>Grade</th><th>Female</th><th>Male</th><th>Grade</th><th>Total</th><th>Scores</th></td<>	Male		Grade	Fema le	Male	Grade	Female	Male	Grade	Total	Scores
4         1         2         1         2         1         2         3           8         1         4         1         2         3         3         3         3         3         3         3         3         3         3         4         6         6         6         1         4         6         6         6         1         4         6         6         6         1         4         6         6         6         1         6         6         6         1         6			-	•	_	~-	-	-		_	0 & below
4         1         4         1         4         3           9         1         4         8         1         4         5           19         1         4         8         1         4         5           19         1         4         8         1         4         5           16         2         9         11         4         5         6           26         4         14         26         3         13         10         11           40         6         21         34         26         21         8         11         21         11         10         11         10         11<			2	2	-	-	2	-	-	2	10
9         1         4         8         1         4         5           19         1         5         9         1         5         6           16         2         9         18         2         8         10         6           26         4         14         26         3         13         15         10           38         6         21         38         5         10         21         11           66         14         38         64         12         3         12           70         20         29         29         21         3         20           70         20         23         51         20         22         3           86         21         44         75         11         44         4         4           70         20         44         75         14         4<			4	₩.	_	2	4	-	2	က	05
16         2         9         1         5         6           16         2         9         18         2         8         10           26         4         14         26         3         13         15           38         6         20         37         5         19         15           40         6         21         38         5         12         32         22           55         9         23         12         44         45         46         47           70         20         46         75         12         45         46         47           86         21         47         76         12         47         40         47           92         28         55         84         25         52         52         52           96         48         70         95         45         67         70           98         60         72         84         96         98         90         90           99         82         90         90         90         90         90         90           99			9	œ	~	4	æ	-	4	2	03
16         4         14         26         18         2         19         10         10         10         10         15         10         15         20 <td></td> <td></td> <td>,</td> <td>, 6</td> <td>-</td> <td>ĸ</td> <td>6</td> <td>-</td> <td>2</td> <td>9</td> <td>04</td>			,	, 6	-	ĸ	6	-	2	9	04
26         4         14         26         37         13         15         15           38         6         20         37         5         19         21           40         6         21         38         5         12         22           53         9         29         51         47         36         22         36           77         20         46         75         17         43         46         47           78         21         47         76         74         47         47         47         47           86         28         48         76         78         42         47	4		12	16	2	6	18	2	œ	01	90
38         6         20         37         5         19         21           40         6         21         38         5         20         22           53         9         29         51         36         22         30           66         14         38         64         12         36         22         30           77         20         46         75         17         43         46         47           78         21         47         76         18         44         47         46           86         28         55         94         55         52         52         52           96         48         70         95         44         59         67         71           96         49         70         95         78         72         72           99         72         84         99         78         90         90           99         82         90         99         78         90         90           99         90         94         99         99         99         99         90	9		18	56	4	14	56	က	13	15	90
40         6         21         38         5         20         22           53         9         29         51         38         52         30           66         14         38         64         12         35         36           77         20         46         75         17         43         46           78         21         47         47         47         47           86         28         55         84         25         52         52           96         48         70         95         44         67         70           96         49         70         95         67         71           99         70         78         96         75         71           99         82         90         76         78         78           99         96         96         79         88         96         97         97           99         96         96         96         98         99         99         99         99         99         99         99         99         99         99         99         99         <	6		25	38	9	20	37	ß	19	21	07
53         9         29         51         8         27         30           66         14         38         64         12         35         38           77         20         46         75         17         43         46           78         21         47         76         18         44         47           86         28         55         84         25         55         55           96         48         70         95         44         47         70           98         49         70         95         75         71         70           99         72         84         99         75         71         71           99         72         84         99         76         72         71           99         82         90         78         78         70         70           99         90         90         90         70         84         90         90         90           99         98         99         99         90         90         90         90         90         90         90         90	σ		26	40	9	21	38	5	20	22	88
66         14         38         64         12         35         38           77         20         46         75         17         46         46           78         21         47         76         18         44         47           86         28         55         84         25         52         55           92         38         62         91         34         56         55           96         48         70         95         44         67         70           98         60         78         96         75         71           99         72         84         99         75         71           99         72         84         99         78         90           99         82         90         99         94         91         91           99         96         99         99         99         99         99         99           90         99         99         99         99         99         99         99         99           91         99         99         99         99         99	14		35	53	6	53	51	œ	27	30	60
77         20         46         75         17         43         46           78         21         47         47         47         47           86         28         55         84         25         55         55           92         38         62         91         34         56         55         55           96         48         70         95         45         70	61		44	99	14	38	64	12	35	38	10
78         21         47         76         18         44         47<	27		52	77	20	46	75	. 17	43	46	=
86         28         55         84         25         57         57<	88		53	78	21	47	9/	. 18	44	47	12
96         38         62         91         34         59         63           96         48         70         95         44         67         70           96         49         70         96         75         71           98         72         84         99         78         88           99         82         90         79         88         90           99         96         94         94         97         97           99         96         96         94         97         97           99         96         96         94         97         97           99         96         96         94         97         97           99         96         96         96         99         99         99           99         98         99         99         99         99         99         99           99         98         99         99         99         99         99         99         99         99         99         99         99         99         99         99         99         99         99         99	37		29	98	78	. 22	84	52	25	55	13
96         48         70         95         44         67         70           98         60         78         98         75         71           99         72         84         99         75         78           99         72         84         99         78         85           99         82         90         79         82         90           99         95         91         94         94         94         97         97           99         96         96         99         99         99         99         99           99         98         99         99         99         99         99           99         98         99         99         99         99         99           99         99         99         99         99         99         99           77528         9201         170204         171774         216238         389759         771031	43		70	95	38	62	6	34	29	63	14
96         49         70         95         45         67         71           98         60         78         98         75         78           99         72         84         99         78         85           99         82         90         79         88         90           99         95         97         98         94         97           99         98         99	59		77	96	48	70	95	44	29	70	15
98         60         78         98         56         75         78           99         72         84         99         68         82         85           99         82         90         79         88         90           99         95         97         98         94         94         94           99         96         96         99         97         97           99         98         99         99         99         99           99         98         99         99         99         99           77528         9201         170204         171774         216238         389759         771031	09		7.7	96	49	70	95	45	29	17	91
4         72         84         99         68         85         85           99         82         90         78         88         90           99         82         94         99         94         94         94           99         95         97         97         97         97         97           99         98         99         99         99         99         99         99           99         98         99	1.1		84	86	09	78	86	56	75	78	17
99         82         90         78         88         90           99         82         90         79         88         90           99         90         94         99         94         94         94           99         95         97         97         97         97         97           99         98         99         99         99         99         99           77528         9201         170204         171774         216238         389759         771031	18			``	72	84	66	89	82	85	18
99       82       94       99       88       93       94         99       95       97       93       94         99       98       99       99       99         99       98       99       99       99         99       98       99       99         99       99       99       99         77528       9201       170204       171774       216238       389759       771031	88		94	66	82	06	56	78	88	06	19
99         90         94         99         88         93         94         94         94         94         94         94         97         97         97         97         97         97         97         97         97         98         98         99<	89		94	66	82	06	66	79	88	06	20
99         95         97         99         94         97         97           99         98         99         99         99           99         98         99         99           99         99         99         99           77528         9201         170204         171774         216238         389759         771031	94		26	66	06		66	88	93	94	21
99         98         99         99         99         99         99           99         98         99         99         99         99           99         99         99         99         99           77528         92011         170204         171774         216238         389759         771031	88		66	66	/ 66	26	65 .	46	26	97	22
99         98         99         98         99         99         99         99         99         99         99         99         99         99         99         99         99         99         99         99         77528         92011         170204*         171774         216238         389759         771031	66		66	66	86	, ,	66	86	66	66	23
99         99         99         99         99         99         99           77528         92011         170204         171774         216238         389759         771031	66		66	66	88	66	66	86	66	66	24
77528 92011 170204` 171774 216238 389759 771031	66		66	66	66	66	66	66	66	66	25
	445	126	5585	77528		170204	171774	216238	389759	771031	z



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	Ą	Conversion Tables - By Grade and Sex, By Grade, and Mational Inc.	,
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					Table Table	Accompanies Tables - By Grade and Sex, By Grade, and National Total	and Sex, By 6	irade, and N	ational Total		
			Raw Score to	percentile c	Jilyer ston tuz 11th	11tb .	12th	12th Male	12th Grade	National Total	Raw Scores
Raw	10th	10th Male	Grade	Female	Male	Grade	- Guale	4	-	-	0 & below
Scores		-	-	-	-	ŕ	-	_	_	-	•
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8		, •	7	9	2	<b>.</b>	n (	، ر	ιr	7	95
8		9	Ξ	Ξ	m	7	ָּרָ רַבּ	, ,	, α	- 21	90
8		œ	11	50	4	Ξ	<u>v</u>	n 1	> 5	. 0	. 6
3 8		12	22	33	7	18	56	ın	<u> </u>	<u>o</u> :	5 5
0		<u>.</u> ;	, ¢	33	7	19	27	2	15	19	80
8		<b>7</b> 1	3 %	i 8	=	58	41	80	23	28	60
8		<u>∞</u>	os !	} 3	1,	39	57	12	. 28	38	01
0.		92	/ <b>b</b>	÷ ;	:	49	٠ الـ	18	45 %	48	Ξ
Ξ		36	28	: F	3 %	20	73	61	43	49	12
12		36 *	59	æ 8	3 %	3 9	28	58	25	69	13
13		49	69	88	S :	3 8		38	19	29	14
14	96	19	7.1	96	7 1	0 Y	۰ ۲	49	69	75	15
15		72	84	6	χ, (	0 4	ነ ሄ	20	. 70	75	16
91		73	82	26	δ, 29	9/	? 8	: @	11	82	17
11		82	06	86	70	80	g 8	5 5	. 8	87	18
82		88	94	66	78	æ :	y 9	2 2	: 8	6	19
19		93	96	66	86.	26	r 8	5 6	: 8	6	50
2		, 46 ,	96	66	98	26	n n	2 !	8	ý	,
3 5		96	88	66	35	95	66	, 82	76	g (	- 6
,		: 8	ş	66	96	86	66	35	96	97	22
23		2 8	: 8	ş	86	66	66	46	88	66	23
23		<b>3</b> 5 3	6 8	. 6	æ	66	66	46	86	66	24
54		66	66	66	2	66	66	66	66	66	22
52		66	66	56 ·	66	A00051	171774	216238	389759	171031	z
z		66445	126535 🗼	77528	92011	£070/1					

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TABLE 9

. Electronic Information

Raw Score to Percentile Conversion Tables - By Grade and Sex, By Grade, and National Total

anal Raw					8						٠.					15				19	20	. 12	22	23	24	25	
h National Total		m														74						95					
12th 12th Grade		1 2	2 4.	3	3 6	4			8 19			21 42	3	29 52			51 70					89 94				66 66	
12th 1:		4	9	6	10	15	23	32	33							93				*		3 66			76 66		
llth Grade		~	4	7	7	=	91	22	23	30	. 68	47	48	27	65	73	74			16		94				66	
llth Male	_	2	т	8		S.	7	6	10	13	18	24	25	34	44	54	. 55	29	76	84	84	06	86	76		66	
llth Female	2	4	7	Ξ	12	18	27	37	38	20	63	74	75	**	, G	95	95	88	66	66	66	66	66	66	66	66	
10th Grade	2 .	2	<b>&amp;</b>	21	12	11	. 24	31	32	40	49	. 57	88	29	74	<b>8</b>	81	87	35	95	95	97	85	66	66	66	
loth Male		4	25	7	7	10	13	91	. 11	22	53	36	37	46	25	29	88	11	85	06	16	95	46	66	66	66	
aw 10th ores Female		7	12	11	» 18	92	36	47	\$€.	,09	17	£8,	32	89	94	46	26	66	66	, 66 ···	<b>66 ★</b>	66	66	66	66	66	



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	le, and Nati
TABLE 10	GENERAL MECHANICAL COMPOSITE  Description for Tables - Ry Grade and Sex. By Grade, and Nati
*	GENERAL " General Conversion Tabl
	- 3

	Raw Scores	0 & below	0	05	03	8	90	8	00	80	68	01	Ξ	12	13	<u>*</u>	15	16	71	18	19	20	12	22	23	24	52
	National Total	-	-	-	_	-	-	-	-	-	2	2	æ	m	4	4	S	9	7	∞	01	Ξ	13	4	17	18	20
tional Total	12th Grade	-	-	-	-	,, ,,,	-	-	-	-	-	69	2	2	٣	4	ភ	S	9	7	σ,	01	Ξ	13	15	16	18
GENERAL MECHANICAL COMPOSITE Raw Score to Percentile Conversion Tables - By Grade and Sex, By Grade, and National Total	12th Male	<b>-</b>	-	-	-	-	ri.	_	-		-	-	-	-	, <del>-</del>	-	-	7	2	2	m	m	<b>~</b>	4	, v	ĸ	9
MPOSITE e and Sex, By	12th Female	_	_	-	-	<i>e</i> _	_	-	-	~	, <b>~</b>	m	4	4	40	7	6	10	12	=	36	18	23	23	27	88	32
MECHANICAL CO les – By Grad	llth Grade	-	_	-	-	-	-	~	-	-	-	_	2	2	m	4	4	S	9	7	<b>6</b> 5	on	::	13	SI	16	81
GENERAL onversion Tab	11th Male	_	-	_	-	-	~	-	_	-	-	-	-	_	_	_	2	2	2	2	m	က	<b>~</b>	4	ĸ	9	7
Percentile C	llth Female	_	-	-	~		-	<b>-</b> -	-	-	2	2	ю	4	ĸ	9	60	σ	Ξ	13	91	71	20	22	56	22	32
Raw Score to	10th Grade	-	-	_	-	,	-	-	_	-	2	2	ю	4	ĸ	s	7	7	6 ⁄	2	. 21	13	91	. 17	. 02	₹	. 2
	10th Male	-	-		-	-	-	-	_	_		<b>-</b>	-	2	2	2	ю	ю	4	4	S	S	9	7	6	6	=
	10th Female	•		-	-	-	-	-	2	2	m	4	5	9	∞	6	=	12	15	17	12	22	56	53	33	35	0
9.81	Raw Scores	0 & below	, 5	20	63	8	ક	8	0)	8	8	. 10	Ξ	12	13	4	15	16	17	81	19	70	12	23	ຊ	54	, <b>52</b>

TABLE 10 (Cont'd)

	- S																										
	Raw Scores	56	22	58	53	30	31	32	. 33	*	35	36	` 31	38	39	40	4	42	43	44	45	46	47	84	49	20	15
	National Total	22	52	56	53	33	34	36	39	14	- 45	46	49	25	55	23	99	29	65	99	69	1.7	74	75	78	80	82
	12th Grade	20	22	23	52	. 82	31	32	35	37	4	42	45	84	ย	52	99	88	9	29	65	29	70	72	75	76	79
	12th Male	7	∞	6	=	12	13	14	16	ध्	20	12	24	56	53	30	34	36	9	7	45	8	25	<b>.</b>	88	19	99
COMPOSITE	12th Female	. 35	39	4	.45	<b>3</b>	83	22	59	62	99	8	72	75	78	80	æ	82	88	88	· 6	95	\$	3.	96	8	97
GEHERAL MECHANICAL COMPOSITE	11th Grade	20	22	24	23	53	32	33	37	39	42	44	47	49	53	25	85	09	63	2	89	70	73	74	11	79	8
GEHERA	1)th Male	œ	6	6	Ξ	12	74	15	17	19	21	7 22	52		31	32	36	38	42	43	47	20	25	35	19	63	29
	11th Female	34	39	7	45	84	53	55	09	63	29	69	73	92	79	83	\$	98	89	8	. 32	93	3.	95	- 96	97	88
	10th Grade	56	30	31	34	37	40	42	45	84	રા	53	95	59	62	3	29	69	72	74	92	78	8	82,	82	98	88
	10th	12	14	14	11	8	21	22	25	22	30	32	35	8	45	£	47	20	54	99	09	63	29	69	73	75	79
	13th Fema.e	43	47	49	54	23	29	63	8	7	75	9/	80	82	88	98	88	06	93	93	95	*	97	97	88	88	86
	Raw Scores	56	22	88	53	30	31	32	33	34	35	36	37	æ	39	Q <b>+</b>	Ŧ	42	£	44	45	46	47	84	49	20	53

																					,					
	Raw	52	53	54	55	26	57	28	59	09	19	62	63	64	92	99	29	89	69	7.0	נ	72	73	74	75	z
	National Total	83	86	87	68	06	16	93	96	96	96	96	26	86	86	66	66	66	66	Ğ.	66	66	66	66	66	771031
	12th Grade	80	83	84	98	87	68	16	95	93	94	95	96	26	86	86	66	66	66	66	66	66	66	66	66	389759
	12th Male	99	70	73	9/	78	18	84	86	88	8	6	93	94	96	26	88	86	66	66	66	66	66	66	66	216238
a) APOSITE	12th Female	86	88	66	66	56	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	171774
TABLE 10 (Cont'd) GENERAL MECHANICAL COMPOSITE	11th Grade	82	85	98	88	68	16	35	96	94	95	96	26	26	86	66	66	66	66	66	66	66	66	66 .	66	170204
TAB GENERAL M	llth — Male	69	73	75	62	80	84	98	88	88	16	93	98	95	76	26	86	66	66	.;6	66	66	66	66	66	92011
	llth Female	86	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	77528 .
	loth Grade	89	16	໌ 26	93	8	35	96	26	26	86	86	,	66	66	66	66	66	66	66	66	66	66	66	66	126585
	10th Male	08	83	85	88	88	16	93	94	95	96	26	86	86	66	66	66	66	66	66	66	66	66	66	66	
	10th Female	66	66	66	66	66	66	66	66	66	. 66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	59586
	? ME												*					ئىر	• -	_			. ~			

TABLE 11 ELECTRONICS COMPOSITE

	Raw Scores	0 & below	9	05	03	8	90	oć Oć	20	80	60	10	=	12	13	14	15	16	17	18	19	20	21	22	23		25
	National Total	-		_	_	-	,		2	2	m	ო	4	4	9	9	œ	œ	10	Ξ	13	14	91	11	20	′ 2ا	23
National Total	12th Grade	-	-	-	-	-	-	-	-	-	2	2	, E	, m	4	٠, د	9	, 9	œ	6	Q	11	<b>n</b>	14	16	11	19
Grade, and	12th Male	-	-	-		-	-	-		-	_	-	-	-	2	2	2	ო	ო	4	4	\$ /	S	9	7	<b>^</b>	α
Raw Score to Percentile Conversion Tables - By Grade and Sex, By Grade, and National Total	12th Female	-	-	-	-	-	-	-	2	2	ю	4	ហ	9	7	œ	5	=	13	15	18	19	22	24	82	30	34
les - By Gra	11th Grade	-	-		_	_	_	_	_	2	2	ю	w w	4	S	S	9	7	6	2	<i>/</i>	12	14	16	18	19	22
nversion Tab	llth Male	-	-	-	-	-	-	-		-	-	-	2	2	2	ю	ю	ю	4	, ,	ĸ	ĸ	<b>5</b>	7	œ	œ	6
) Percentile Co	llth Female	-	ን	<b>,</b> –		-	_	-	2	2	m	4	S	9	7	6	1	12	<b>4</b>	16	19	23	24	56	30	32	. 36
Raw Score to	10th Grade	-	_	-	-	-	-	2	2	m	4	S	9	9	œ	6	11	. 21	14	15	18	19	12	23	56	22	Q£
	10th Male	_	<b>-</b>	_	-	-	-	-	2	2	2	m	m	4	4	ĸ		9	7	∞	6	10	-	12	14	14	16
	10th Female			_	_	<b>~</b> ~	2	2	ю	4	S.	7	6	Ø1	12	13	91	18	ا2 .	83	22	53	33	35	40	45	9+
	Raw Scores	0 & below	10	05	03	뿅.	.50	90	, , ,	88	60	10	=	12	13	14	15	16	11	81	19	20	12	22	23	24	25



TABLE 11 (Cont'd) ELECTROHICS CCHPOSITE

Raw Scores

		National Total								٠															•		
		Nati	98	88	88	91	16	92	93	96	95	96	96	97	86	86	86	66	66	66	66	66	66	66	66	66	17.1031
ı		12th Grade	83	85	98	88	88	16	35	83	93	95	95	96	97	86	<u>α</u>	66	66	66	95	66	66	66	66	66	389759
		12th Male	70	.74	76	80	81	83	82	88	88	16	35	94	94	96	96	97	86	86	66	66	66	66	66	66	216238
1,4)	OSITE	12th Female	86	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	171774 2
TABLE 11 (Cont'd)	" ECTAONICS COMPOSITE	11th Grade	85	87	88	06	16	95	93	\$6	95	96	96	26	97	86	86	66	66	66 /	66	66	66	66	66	66	170204
		11th Male	73	7.7	79	82	83	98	87	88	06	95	93	96	95	96 ,	6	8	88	66	66	66	66	66	66	66	11026
	•	11th Female	66	66	66	66	66	66	66	66	66	· 66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	77528
,		10th Grade	16	35	- 93	35.	95	96	96	26	97	86	86	66	66	66	66	66	66	66	66	66	66	66	66	° 66	126585
		10th Male	83	98	15	06	06	26	83	96	95	96	96	26	86	88	66	66	66	66	66	66	66	66	66	66	66445
٠.		10th Female	66	66	66	66	66	66	66	66°,	66	66	66	66	66	66	66	66	66	66	66	. 66	66	66	66	66	59586

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HOTOR MECHANICS COMPOSITE

	•		Oaw Coppe to	o Percentile C	conversion Tat	bles - By Grac	notes to percentile Conversion Tables - By Grade and Sex. By Grade, and National Total	Grade, and P	Wational Total	_	
Raw	•	10th	10th	1 to 1 to 1	11th Male	11th Grade	12th Female	12th Male	12th Grade	National Total	Raw
Scores	-,	- E	1	-	-	-		-	-	-	0 & below
n perom		. ,-	· <b>-</b>	-	-	,	_	-	-	_	<b>6</b>
5 8			· , <b>-</b>		-		-			-	05
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3 8				_	-	_	_	-	-	_	\$
<b>š</b> !		. ,	_	_	_		_	-	_	-	જ
8		- •					-	<b>*</b> -	-	-	8
90		- <b>.</b>					_	-	_	-	0
00		- <b>-</b>	v. «	-/-		. jū	_	-	_	-	88
<b>8</b> 1		- 6	<i>،</i> د	. ~	٠	_	2	-	-	2	8
60 5		, ~	ı m	. 8	-	. 2	2	-	_	2	10
2 :		2 6	• <b>⋖</b> ‡	· г	-	2	, m	-	2	2	:
= \$		. ~	4	4	-	2	m		2	m	12
2 5		~ ر	· un	w	-	m	4	-	2	က	13
2 2		o m	vo	'n	2	ю	s	-	ю	<b>4</b>	14
<u>.</u>		· <del>-</del>		7	2	4	9	-	က	ĸ	15
: ¥		4	80	œ	2	ĸ	7	2	4	ĸ	91
? :		v	10	10	2	9	6	2	w,	7	11
<u>. ¤</u>		s	Ξ	=	m	7	01	8	9	œ	18
2 2		9	13	14	<b>т</b> ,	80	12	ю	7	6	19
? 8		7	41	15	ю	65	<b>*</b>	m	ω	10	50
: 2		<b>0</b> 0	17	91	4	Ξ	11 ,	m	6	12	12
. 22		6	19	12	4	12	19	₹	10	14	22
<u>-</u> 23			. 22	92	25	. 15	23	₹	- 12	91	23
5 <b>4</b>		ı.	23	28	9	16	52	ĸ	14	11	24
22	45	12	56	32	7	19	53	vo	16	20	52



TABLE 12 (Cont'd)

Raw Scores	56	27	82	53	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	8	, 6 <del>)</del>	20	51
National Total	22	, 52	23	30	33	37	39	43	45	6#	51	54	23	09	62	65	29	70	72 .	174	92	79	88	82	æ	85
12th Grade	81	21	22	92	28	32	33	37	0.0	43	45	84	24	54	99	59	29	65	99	69	11	74	75	11	79	. 18
12th Male	9	7	,00	σ	0	12	13	15	17	19	21	24	56	. 62	31	35	37	41	43	89	51	55 .	23		<b>.</b>	8
12th Female	33	38	9	46	20	99	59	<b>64</b>	88	<b>13</b>	92	80	83	98	88	8	35	94	96	96	26	26	88	88	<b>8</b> 8	66
11th Grade	21	54	56	53	32	36	38	42	. 45	48	20	54	23	09	29	· 99	<i>L</i> 9	70	72	75	11	79	80	82	84	, 98
11th Male	œ	6	` 2	12	13	15	16	19	21	24	52	53	32	36	38	42	45	49	51	. 99	69	. 63	99	69	Ϊ,	75
11th Female	36	42	44	20	54	, 09	63	69	73	11	79	సే	98	83	06	35	<b>\$</b> 6	95	96.	26	86	86	88	66	66	66
. 10th Grade	53	33	35	39	4.	. 46	87	25	55	59	09	20	<b>19</b>	02	72	75	11	80	81	84	98	88	88	8	16	93
10th Male	7	16	11	19	23	24	56	30	32	36	38	43	46	20	25	23	09	92	29	נג	74	78	62	82	\$	87
loth Female	46	25	54	09	<b>\$</b>	69	72	11	80	<b>8</b> 8	82	88	8	93	\$	95	96	26	<b>8</b> 8	86	66	86	<b>6</b> 8	66	8	66
Raw	56	23	58	53	30	33	32	33	34	35	36	37	æ	39	0	4	42	<b>4</b> 3	\$	45	9 <b>4</b>	47	<b>8</b>	49	20	53



	Scores	25	53	54	. 55	99	57	83	59	09	19	29	63	64	က္ခ	99	29	89	69	70	נג	72	73	74	75	æ
	National	98	88	68	16	35	93	<b>3</b> 6	95	95	96	46	86	86	88	66	66	66	66	66	66	66	66	66	66	171031
	12th Grade	82	85	98	88	89	06	16	: 63	93	98	98	46	97	86	86	66	66	66	66	66	66	66	. 66	66	389759
	12th Male	. 69	73	. 75	79	80	83	85	87	88	06	35	₹6	, 95	96	46	88	88	66	66	• 66	66	. 66	66	66	216238
OMPOSITE	12th Female	66	66	66	66	66	\$6	66	66	66	66	66	66	66	66	66	66	66	66	66	66	<b>66</b>	66	66	66	171774
MOTOR YECHANICS COMPOSITE	11th Grade	87	68	06	35	35	93	\$	95	96	26	26	86	, &	66	66	66	66	66	66	66	66	66	66	66	170204
11010	A the	76	80	85	85	98	88	06	35	35	3.	. 56	96	97	86	86	8	66	66	66	66	66	• 32	66	66	11026
	11th Female	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	, 66	66	8	66	66	66	77528
	10th Grade	86	56		 96	- 26	26	88	88	86	66	66	66	86	66	66	66	66	66	66	66	66	66	. 66	66	126585
	10th Male	88	8	16	93	94	98	96	<i>1</i> 6 .	26	88	86	66	66	66	66	66	66	66	66	66	66	66	66	66	66445
	10th Female	66	: 66	66	66	66	66	. 66	: 3	: 66	: 8	5	5 6	66	66	65	. 66	<b>.</b> \$	66	66	66	66	; <b>\$</b>	66	 - 66	)586
	Raw	2	2 2	<b>.</b> 2.	55	. 95	22	; %	65	;	: 19	: %	3 69	3 3	. 9	99	£ 19	: 8	69	02	: "	72	. 22	74	75	z

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TABLE 12 (Cont'd)

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GENERAL TECHNICAL COMPOSITE

Grade Total Scores
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(Cont.d)	COMPOSI
TABLE 13 (Coi	TECHNICAL
TA	IVALVA

	Raw Scores	92	23	28	53	30	31	32	33	34	35	ر گ	37	38	39	40	41	42	43	44	45	46	47	48	49	20	z
	National Total	40	45	48	52	99	19	. 59	- 69	72	7.1	80	83	98	88	16	93		96	97	86	66	66	66	66	66	771031
	12th Grade	35	39	43	47	51	99	09	64	88	73	9/	6/	82	98	88	16	66	95	96	97	86	66	66	66	66	389759
	12th Male	33	36	39	43	47	25	56	09	. 64	69	73	11	80	84	87	89	92	95	96	97	86	66	66	66	66	216238
OMPOSITE	12th Female	39	44	48	25	99	19	9	89	72	11	80	83	82	88	16	36	94	96	26	86	66	66	66	66	66	171774
GENERAL TECHNICAL COMPOSITE	11th Grade	35	40	44	48	52	28	19	65	69	74	11	18	84	87	06	92	94	96	26	86	66	66	66	66	66	170204
GENERA	11th Male	33	38	4	45	49	55	59	63	19	72	75	79	82	98	88	16	93	95	26	86	66	66	66	66	66	92011
	llth Female	39	44	48	52	26	19	65	69	72	1.1	80	83	98	89	16	93	95	96	6	86	66	66	66	66	66	77528
	10th Grade	49	55	59	83	29	12	7.5	78	18	85	88	° 8	92	94	96	26	86	66	66	66	66	66	66	. 66	66	126585
																											66445
	10th Female	53	58	62	,	69	75	78	83	34	87	06	36	93	95	96	6	8	/8	66	66	66	66	66	66	66	59586
	Raw cores	90		œ	g	0	=	23	33	*	35	36	37	38	39	<b>4</b> 0	41	42	43	44	45	46	47	84	49	50	z



TABLE 14

CLERICAL COMPOSÍTE

Raw	0 & be 30M	10	05	93	35	92	90	07	8	60	10	==	12	13	14	15	16	17	18	19	20	23	/_ 22	/ 23	24	25
^ National Total		-	-	-	-	-	-	-	-	-	-		<b>.</b>	۶,	<b>*</b> m	4	**	5	7	æ	/02	, 21	14	17	· 61	23
12th Grade	-	,,	~	-	-	-	-	-	-	-	-,	Ŧ	<i>'</i> –	2	2	m	က	4	S	9	œ	6		13 .	16	. 82
12th Male	-	_	-	-	-	-	_	_	-	7	,' 	-	2	2	т	٣	4	LC.	9	7	6	Ξ	13	15	18	جَ
loth lith lith lith lith lith lith . Nat Grade Female Male Grade Female Male Grade To	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	e	т	4	\ vo	9	80	6	Ξ	13	15
11th Grade	-	-	-	-	-	-	-	-	_	-	-	-	-	2	2	٣	m	4	s	vo	7	6	Ξ	13	91	19
llth Male	-	-	-	-	<b>,</b> -	-	-	-	-	-	-	-	2	2	2	т	₹7	ĸ	9	1	6	Ξ	. 13	16	19	22
llth Female		-	-	-	-	-	-		-	-	-	-	-		-	2	2	m	4	4	9	7	80	.00	12	15
10th Grade	-	. <b>-</b>	-	-	-	_	-		_	7.	-	2	2	m	4	4	9	7	σ	Ξ	13	16	, 81	22	56	30
10th Male	-	-	-	-	-	-	-	-	-	~	. 2	2	٣	4	2	φ.	7	6	Ξ	13	91	19	22	56	30	32
10th Female	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	m	4	ıs.	9	œ	10	12	15	18	2	25
Raw Scores	0 & below	ច	05	03	\$	92	89	07	8	60	10	Ξ	12	13	14	15	J6	17	18	19	20	12	22.	23	24	25



	Raw Scores	56	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	84	49	20	15
	National Total	56			40																						66
	12th Grade	22	52	53	34	39	45		26	62	. 88	73	78	82	98	88	92	94	96		86	88	66	66	66	66	66
	12th Male	24	53	33	38	44	20	99	62	89	74	79	83	87	06	93	95	96	97	88	66	66	66	66	66	66	66
111	12th Female	18	12	52	53	33	38	43	49	55	19	99	72	77	18	85	83	16	94	95	97	88	88	66	66	66	66
CLERICAL COMPOSITE	11th Grade	22	56	31	36	41	47	53	59	65	וג	76	18	82	88	16	93	35	26	8	86	66	66	66	66	66	66
CLER	11th Male	56	31	36	Ŧ	47	54	09	99	72	11	28	<b>8</b>	88	92	\$	96	97	88	88	8	66	66	66	66	66	66
	llth llth Female Male	8	21	52	53	34		45	15	27	83	69	74	79	<b>8</b>	88	6	93	98	97	86	88	66	66	66	66	66
					· 15														86	66	66	66	. 66	66	66		66
٠	10th Male	Ψ.	\$ <b>4</b>	;	; <b>(</b> 6	: 8	69	7.4	7.6	. 83	87	06	95	. <b>*</b>	; <b>y</b> e	2 6	: 89	. 8	5 6	. 66	66	66	66	66	66	g g	66
	10th	20	3 2	3 8	የ 3	64		. 19	; 5	. 2	: "	. 85	98	, ø	S &	: <b>5</b>	ς γ	? 6	; 9	8 8	2 8	8	8	: g	` <b>\$</b>	3 8	66
	Raw	S COLES	9 5	. s	<b>9</b> 2	`	3 %	; ;		, <b>5</b>	35	3 98		38 1	3 8	6	} <b>{</b>	. 4	7 7	; <b>v</b>	45	, Y	<b>A</b>	; g	}	; ;	2 15

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TABLE 14 (Cont'd)

	Raw Scores								
	National Total	66	66	66	66	66	66	66	171031
	12th Grade	66	66	66	66	66	66	66	389759
	12th Male	66	66	66	66	66	66	66	216238
nt'd) )SITE	12th Female		66	66	66	66	66	66	171774
TABLE 14 (Cont'd) CLERICAL COMPOSITE	llth <u>Grade</u>	66	66	66	66	66	66	66	170204
	11th Male	66	66 .	66	66	66	66	66	11026
	llth Female	66	66	66	66	66	66	66	77528
17	10th Grade	66	66	66	66	<b>6</b> 6	, <b>99</b>	66	126585
	loth Male	66	66	66	66	66	66	66	66445
	10th Female	66	66	66	66	66	66	66	59586
0	Raw Scores	25	53	54	55	26	23	58	~

ERIC

Full Text Provided by ERIC

TABLE 15

Raw Score to Percentile Conversion Tables - Rv Grade and Sex and Bv Grade Total

	9th	Codi.	Coding Speed Post High School Graduate	Post High School Graduate	Post High School Graduate Total	Raw Scores
emale	Male	Grade	Female	9		8
	0	0	<b>5</b>	<b>o</b> (		3 8
	0	0	<b>5</b>	<b>-</b>	, ,	3 8
0		0	<b>5</b>	<b>o</b> (	, (	
0 0		0	0	0	•	3
, 0		0	0	0	0	<b>*</b> 00
0		0	0	0	0	900
0		0	0	0	0	900
0		0	0	0	0	007
0		0	0,	0	0	800
0		0	0	0	0	<b>6</b> 00
0		0	0	0	0	010
0		0	0	0	0	011
0		0	0	1	0	012
0		<b>o</b>	ò	1	1	013
0			0		1	014
0 2			1		1	910
2, 0		1		1	1	970
1 2		2		~	2	017
1 3		2	1	8	2	. 018
1 4		2	1	en	2	019
1 4		м	1	m	m	020
2 5		•		*	m	021
2 6		4	2	4	က	025
3 7		ın	2	w	4	023
80		v	m	φ	S	024
6		,	m 4	7	<b>v</b>	025



-		Post High School Graduate Total	, •	7	œ	6	10	11	13	14	16	17	19 ,	22	24	56	28	31	33	36	39	41	**	47	49	52	99	- 65 -
		Post High School Graduate Male	ω	o	10	11	12	14	15	18	19	21	23	26	59	32	34	37	40	44	46	20	25	55	, 25	09	63	29
TABLE 15 (Cont'd)	Coding Speed	Post High School Graduate Female	a	4	4	ıs	9		ω	o	10	11	12	14	15 '	16	18	21	22	23	25	27	æ	8	35	39	43	94
TABLE 15	Codin	9th Grade	æ	on.	11	12	14	16	19	21	. 24	27	93	33 .	37	<b>9</b> ,	44	47	51	<b>5</b> 5	22	61	64	99	69	72	75	78
		9th Male	11	13	14	17	19	22	25	28	83	35	33	42	46	50	54	58	62	99	89	7.1	74	76	79	83	83	<b>98</b>
		9th Female	ıs	s	ø	7	6	10	12	14	16	18	20	23	56	59	32	35	39	42	45	48	52	55	28	61	92	69
		Raw Scores	970	027		620	030	031	032	033	034	035	036	037	038	039	040	041	042	043	044	045	046	047	048	049	050	051

Raw . Scorres . O26

026

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048



	*	Raw Scores	052	053	054	055	950	057	058	, , ,	090	061	062	063	064	900	990	290	890	690	020	071	072	073	074	075	920	077	
		Post High School Graduate Total	62	64	29	70	72	74	92 .	78	8	83	83	<b>*</b>	82	87	88	88	. 89	91	92	93	93	94	94	95	95	95	
		Post High School Graduate Male	69	72	74	7.7	62	08	88	<b>3</b> 5	85	87	88	<b>6</b> 8	06	91	95	, 93	93	94	94	95	95	96	96	96	, 96	26	s
TABLE 15 (Cont'd)	Speed	Post High School Graduate Female	49	25	55	99	61	63	99	69	0.7	73	74	. 76	78	8	88	\$	88	87	88	88	88	. 86	91	36	93	93	
TABLE 15	Coding Speed	9th Grade	8	. 88	8	88	87	88	06	91	92	93	93	, <b>₹</b> 6	94	95	96	96	96	76	16	97	97	97	. 6	86	86	, 86	
		9th Male	8	8 &	) F	2 6	33	76	94	36	95	96	96	96	97	76	97	97	86	86	86	86	86	86	S	86	86	86	
•		¢th Fransle	73	2/ 24	77	. 62	€ &	: £	82 83	87.	<b>.88</b>	&	j 06	91	6	93	76		, 56	ና ድ	8 8	96	96	26	. 6	70	76	, 26	
		8. S.	ocores	052	053	929	055	0.20 1.30	(c) (c)	5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	090	<u> </u>	<b>1</b> 5	79 Y	§ §	<b>t</b> 90	c s	9 79	200	8 6	6 6	2 5	7.0	7/0	?	9/0	075	9/0	; ,



(Cont'd)	Speed
rable 15	Coding

Raw Scores	078	079	080	180	082	083	084	085	980	087	980	680	060	091	7 260	093	094	960	960	. 260	. 860	660	100	z
Post High School Graduate Total	96	96	96	96	26	97	97	97	97	26	97	97.	86	86	86	86	86	86	88	. 66	66	66	66	4987
Post High School Graduate Male	97	97	97	6	97	86	86	86	. 86	` 86	86	86	. 86	86	. 86	86	66	66	66	66	66	66	66	3101
Post High School Graduate Female	94	96	94	98	95	95	. 96	96	96	96	96	96	96	. 46		26	26	76	26	86	86	. 66	66	1856
9th <u>Grade</u>	86	86	86	86	86	86	86	86	86	86	66	<u>6</u> 6	66	66	66 ·	66	66	66	66	66	66	66	66	49338
9th Male	86	86	86	88	66	66	66	66	66	66	66	66	66	66	66	66	<b>66</b>	66	66	66	66	66	66	26069
9th Female	6	97	86		86	86	86	86	86	86	86	86	86 .	86	3 66	66	8	66	66	66	66	66	66	52999
Raw Scores	.078	620	080	081		083	084	085	98 98	087	088	680	060	160	. 092	093	<b>760</b> /.	962	960	260	980	660	901	z



Raw Score to Percentile Conversion Tables - By Grade and Sex and By Grade Total TABLE 15 (Cont'd)

	Post High Raw Jate School Graduate Scores	, & below	•	· ·	3 02	5 03	6 04	8 05	12 06	16 07	17 08	22 , 09	28 10	33 11	34 12	42 13	50 14	59 15	. 60 16	71 17	81 18	88	89 20	- 94 21	98 22	98 23	. 99 24	99 25	
	Post High School Graduate Male		<b>-</b>	2	c)	S	9	ω	11	14	16	50	56	32	33	41	49	59	09	1.1	81	88	06	95	86	86	66	66	
Word Knowledge	Post High School Graduate Female	-	<b>-</b>	2	3	æ	9	10	13	. 71	18	24	31	36	37	43	51	59	09	Ď.	80	87	88	93	76	26	66 ″	66	
•	9th Grade		-	2	ю	8	ĸ	α	12	16	17	23	30	38	39	49	,	70	11	81	88	88	96	86	66	66	66	66	
	9th	ad le	1	2	4	v	9	σ	· 21	12	. 17	23	30	39	40	. 46	59	07	n	81	68	88	95	86	66	66	66	96	
	9th	Female		2	ო	4	ď		` [			23	30	86	38	48	69	65	70	81	68	94	95	86	66	66	66	ō	
	Raw	Scores	0 & below	01	00	73	6	<b>5</b>	£ 8	0.0	, e	8 6	10	: =	: 21	13	. T	15	. <u>.</u>	2 7	, E	2 5		2	1.2	23	5.3	r I	



Raw Score to Percentile Conversion Tables - By Grade and Sex and By Grade Total TABLE 15 (Cont'd)

			Poct Hinh	Doc+ Wich	Doc+ Uinh	
9th Female	h ale Male	h 9th Te Grade	School Graduate Female	School Graduate	School Graduate Total	Raw Scores
			1	1		0 & below
77		m	•	2	ю	10
ur)		us.	9	т	4	05
			<b>6</b>	ю	9	03
<b>w</b>		80	10	ĸ	7	\$
12		. 12	15	7	10	જ
18		17	20	11	14	8
52		. 23	25	51	. 61	07
56		24	56	. 91	20	88
35		32	<b>3</b> E	22	27	8
45		41	42	59	34	2
54		20	49	37	42	11
38		52	51	38	43	12
65	į	61	65	46	51	13
73	3	70	29	54	59	14
88		11	74	62	67	15
88		78	76	64	89	91
87		85	88	70	75	17
92		06	87	77	81	18
92		93	06	82	85	19
95		94	16	83	88	20
97		96	95	88	16	21
66		86	. 97	35	, 94	22
66		86-	86	36	96	23
66		66	66	95	97	24
66		66	66	86	66	52
22999	•	86338	// 930 C	č		2



TABLE 15 (Cont'd)

Raw Score to Percentile Conversion Tables - By Grade and Sex and By Grade Total

ŝ.

	School Graduate School Graduate School Graduate School Graduate Scores	1 0 & below	3 01	5 02	6 03	10 04 .	. 16 05	21 06	28 07	9 29 08	4 36 09	19 . 43 10	24 11	25 49 12	33 55 13	41 61 14	49 61 15	50 67 16	59 74 17	68 80 18	76 80 19	77 85 20	85 90 21	91 94 22	91 94 23	95 97 24	98 99 25	N 4987 N
Tool Knowledge	Post High Pos School Graduate School Female M	1	ı ve	. 2			) <u>v</u>	) <del>(</del>	. 09	62	73	82	82	88	. 65	96	96	16	86	66	66	66	66	66	66	66	66	
	9th Grade	-	. ·	n u			11 9	19	87 87	3, 1,	48	57	99	99	73	79	84	,	68	93	93	96	86	66	66	66	66	
	9th Male			·	٠ ،	7 6	<b>n</b> u	n d	14	15		31	04	41	. 52	62	11	72	8	18	87	92	96	86	86	56	66	
	9th Equalo			r ;	<b>≓</b> \$	61 6	17 %	ξ.	S 39	99	78	87	87	93	96	86	86	86	66	66	66	66	66	66	66	66	66	
	Raw	scores	0 & bei	10	92	03	04		8 8	3 8	8 2	S 9	2 =	12	13	14	15	16	17	: 8	19	: 5	2 2	; ;	23	6.2	; ;	67



			Space	Space Perception			
Raw Scores	9th <u>Female</u>	9th Male	9th Grado	Post Hirh School Graduate Female	Post High School Graduate Male	Post High School Graduate Total	Raw Scores
0 & Бетом	**		~	~	1	-	0 & below
01	~	7	2	2	2	. 2	01
02	æ	e.	m		æ		70
03	3	5	3	٤	3	, .	03
64	9	æ	9	9	*-	\$	94
05	6	æ	6	, 10	£	80	9
09	15	13	15	15	ક	12	90
07	21	13	19	21	13	16	07
80	22	18	20	22	71	17	80
06	30	25	27	. 29	61	23	60
10	39	33	36	. 37	76	30	10
11	67	42	45	97	33	38	11
12	20	43	46	47	3′	38	12
13	09	, 25	99	57	42	87	13
14	69	61	65	99	90	56	14
15	77	69	73	7.4	58	79	15
16	78	70	74	7.5	65	65	16
17	85	78		82	, 19	72	17
18	06.	34	78	86	÷	79	18
19	06	86	91	06	80	78	19
20	76	06	92	91	13	85	20
21		93	. 45	. 76	87	06	21
22	86	96	76	97	75	76	22
23	86	96	56	26	, 42	76	23
24	, 66	86	66 ,	66	96	97	24
25	66	66	66	66	. 66	66	25
z	22999	56069	49338	1856	3101	4987	z
	,				•		



TABLE 15 (Crit'a)

Raw Score to Percentile Conversion Tables - By Grade and Sex and By ...e Total

ns ton
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2
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Ran	9th:	9th Fale	9tk Grade	s Post High School Graduate Female	Post High School Graduate Male	Post High School Graduate Total	Raw Scores
S Pales		-1	1	1			0 & below
	5	2	2	2	?		10
	wt w	, m	ო	ທ	, en	en ,	05
70	4	ю	æ	7	т	(c)	03
8 8	7	s	9	œ	4	v	40
: <b>.</b> 8	13	7	10	14	9	6	05
s <b>8</b>	50	10	15	21	80	13	8
07	29	10	21	æ	11	18	07
88	31	15	23	33	12	20	80
; <b>2</b>	45	21	31	43	17	56	8
; Of	53	28	€1)	53	21	33	10
	92	37	20	63	-28	41	11
12	67	39	25	99	31	\$	<b>~</b> 1
13	77	<b>4</b> 8	62	74	38	25	13
	82	29	11	81	49	61	14
15	91	70	28	88	28	70	15
, ,	92	72	83	91	29	73	16
	8	81	88	96	7.1	8	17
18	86	88	93	76	8	<b>%</b>	18
£ 6t	66	94	8	76	88	92	19
. 8	66	\$6 s	97	66	88	93	02
: 12	66	86	66	66	93	96	21
22	66	66	66	66	26	86	22
23	66	66	66	66	S.	86	23
54	66	· -	66	86	66	66	24
52	66	66	66	66	66	66	52
*	52999	690′ 7	49338	1856	3101	<b>4987</b>	z



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**;** .

TABLE 15 (Cont'd)

Raw Score to Percentile Converion Tables - By Grade and Sex and By Grade Total

Shop Information

Raw Scores	9th Female	9th Male	9th Grade	Post High School Graduate Female	Post High School Graduate Male	Post High School Graduate Total	Raw
0 & belo		0	1		1		0 & below
01	m	1	2	4	1	m	01
02	7	2	}	80	2	ហ	02
03	12	2	7	13	2	7	03
04	14	,3	80	15	т	æ	04
90	33	2	13	23 ,	ĸ	12	05
90	34	8	20	34	9	17	90
07	47	12	29	44	Ø	22	07
80	45	13	30	47	10	24	80
60	63	19	40	58	13	30	60
10	75		49	69	18	37	10
11	28	36	59	78,	24	44	11
17	85	37	09	. 08	25	46	12
13	95	48	69	98	32	53	13
14	96	59	76	92	42	61	14
15	96	70	83	92	25	89	15
16	86	71	84	96	53	69	16
17	66	81	06	86	64	77	17
18	66	88	94	86	73		18
19	66	88	94	86	82	83	19
20	66	94	26	66	83	89	20
21	66	26	66	66	06	94	21
22	66	66	66	66	95	97	22
23	66	66	66	66	95	. 26	23
24	66	66	66	66	86	. 66	24
25	66	66	66	66	86	66	25
z	22999	26069	49338	1856	3101	4987	z



3101

49338

24 25

86 66

99

66

8 8

93

99 99 22999

TABLE 15 (Cont'd)

Raw Score to Percentile Conversion Tables - By Grade and Sex and By Grade Total

	Raw Scores	0 & below	01	05	03	<b>\$</b>	90	90	00	80	60	10	11	12	13	14	15	. 91	17	18	19	50	21	22	23	2.4
	Post High School Graduate Total	0	ю	4	ĸ	v	ω	11	, 9 <b>1</b>	18 /	25	33	42	44	53	61	89	, 02	77	83	83	88	95	95	35	86
	Post High School Graduate	,	. 8	m	ო	m	4	vo	ω	6	12	17	24	25	33	43	52	64	જ	7.3	81	82	88	92	96	;
Automotive Information	Post High School Graduate Female	1	• •	9	æ	6	13	50	æ	32	46	61	73	75	88	91	· 56	96	86	66	66	66	66	66	66	
Auto	9th Grade		- <b>-</b>	יט יי	, σ	, 5	3 5	33 3	35	33	44	98	. 99	. %	"	. 58	3 06	91	95	. 26	. 8	86	5	8	8	;
	9th Maje	-	۰ ۳	) <del>प</del>	. v	n vo	າ' ຫ	, 12	18	19	27	37	. 84				-	j	06	S	S 56	26	66	5 6	. 6	;
	9th Formate	1	· ur	, α	13	9 7	; ;	34	47	20	2	11	87	88	, , ,		97		66	66	66	66	66	66	g	•
	Raw	Scores 0 t helow	10	. 00	: 0	ĝ <b>7</b>	60	8 8	07	80	60	10	: 11	12	13	14	15	16		81	19	50	21	25	23	}



TABLE 15 (Cunt'd)

Raw Score to Percentile Conversion Tables - By Grade and Sex and By Grade Total

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School Graduate  1 3 4 4 4 4 10 10 10 13 31 31 31 31 31 31 31 31 31 31 31 31				Elec	Electronic Information	7 - 72 - 4	10 700	
1       1	SI.	9th Female	9th Male	9th Grade	Post High Scicol Graduate Female	Fost High School Graduate Male	Post High School Graduate Total	Raw Scores
14         7         11         10         4           21         9         15         15         4           23         16         15         4           23         16         16         5           24         23         23         7           54         23         40         10           55         24         29         42         13           66         20         48         57         65         23           86         47         65         72         23         13           87         48         57         65         23         13           88         47         87         23         23         23           96         68         81         96         66         23           98         67         96         66         23         23           99         96         96         99         99         99           90         99         99         99         99         99           80         99         99         99         99         99           80         99 <td>elow</td> <td>1</td> <td></td> <td></td> <td>1</td> <td>1</td> <td>1</td> <td>0 &amp; below</td>	elow	1			1	1	1	0 & below
14       7       11       10       4         21       9       15       4       4         22       10       16       6       4         23       14       23       23       7         44       18       30       31       10         55       23       40       10       10         56       24       39       42       113       10         56       30       48       42       113       10         56       30       48       42       113       10         56       30       48       42       113       10         56       30       48       42       113       10         57       48       57       53       23       23         58       47       56       52       23       23         59       59       59       59       59       59         50       50       50       50       50       50         60       50       50       50       50       50         70       70       70       70       70       70 </td <td></td> <td><b>6</b></td> <td>s</td> <td>7</td> <td>7</td> <td>т</td> <td>4</td> <td>10</td>		<b>6</b>	s	7	7	т	4	10
21       9       15       15       4         23       16       5       2       2       2         23       14       23       23       7       7         44       18       30       31       10       7         44       18       30       31       10       10         55       23       32       10       10       10         56       30       48       42       113       10       10         66       30       48       42       113       10       113       10       113       10       113       10       113       10       113       10       113       10       113       10       113       10       113       10       113       113       113       113       113       113       113       113       113       113       114       113       114		14	7	n T	07	4	<b>9</b>	02
23       16       16       5         23       23       23       7         44       18       23       7       10         55       23       40       10       10         56       24       39       42       10       10         58       24       23       42       13       10         66       24       26       13       13       13         87       43       65       13       13       13         87       43       65       13       13       13         88       43       65       23       23       23         89       74       26       23       23       23         89       81       26       23       23       23         89       81       82       23       23       23         89       81       82       83       84       84         80       82       83       84       84       84         80       83       84       84       84       84         81       84       84       84       84       84 </td <td></td> <td>21</td> <td>6</td> <td>, 15</td> <td>15</td> <td>4</td> <td>vo</td> <td>03</td>		21	6	, 15	15	4	vo	03
44       14       23       7       14       14       14       15       16       10		23	10	16	16	ĸ	6	\$6
44       18       30       31       10         56       24       38       40       10         68       24       39       42       13         68       30       48       53       18       18         79       48       57       23       23         87       48       77       23       23         94       67       77       31       24         94       74       86       33       24         94       74       86       33       24         94       74       86       34       24         94       77       94       24       24         94       77       94       24       24         94       94       94       24       24         94       94       94       94       24         94       94       94       94       94         94       94       94       94       94         94       94       94       94       94         94       94       94       94       94         94       94 <td< td=""><td></td><td>23</td><td>14</td><td>23</td><td>23</td><td>7</td><td>13</td><td>90</td></td<>		23	14	23	23	7	13	90
56       24       36       40       10         58       24       13       13         68       30       48       13       18         79       38       53       18       18         87       48       75       23       23         87       48       75       23       23         96       58       74       48       23         96       68       81       94       48         99       77       82       82       83         90       80       80       80       80       80         90       90       90       90       90       90         90       90       90       90       90       90         90       90       90       90       90       90         80       90       90       90       90       90         80       90       90       90       90       90         80       90       90       90       90       90         80       80       90       90       90       90       90         80		4	18	8	31	10	18	98
58         24         39         42         13           66         30         48         53         18           79         38         57         65         18           86         47         65         23           87         67         73         23           87         74         86         23           96         81         95         33           96         81         95         56           99         87         96         66           90         92         93         77           90         92         93         77           90         93         94         96           90         94         95         94           90         92         93         94           91         93         94         94           92         93         94         94           93         94         94         94           94         95         94         94           95         94         94         94           94         95         94         94		55	23	88	0	10	23	07
68       30       48       53       18         79       38       57       65       23         86       47       65       75       29         87       67       77       31         92       74       86       39         96       68       92       92         99       97       98       77         99       97       98       97         99       97       98       94         99       90       94       94         90       92       93       94         91       92       93       94         90       93       94       94         91       94       94       94         92       93       94       94         93       94       94       94         94       95       94       94         95       96       97       94         94       97       97       94         95       96       97       97         94       97       97       97         95       96       97		28	24	æ	42	13	24	80
79       38       57       65       23         86       47       65       75       29         87       67       73       31         92       74       86       32         94       68       81       91       48         95       81       95       59       59         94       77       87       96       77         95       96       97       98       77         94       97       98       97       94         94       97       99       94       94         95       99       99       94       94         94       99       99       99       94         94       99       99       99       94         94       99       99       99       99         94       99       99       99       99         95       99       99       99       99         94       99       99       99       90         95       99       99       99       99         95       99       99       90       90		89	æ	48	53	18	31	89
86       47       65       75       29         87       48       67       70       31         92       58       74       86       39         96       68       81       95       59         99       77       92       93       77         99       90       92       93       84         99       97       93       84         99       90       93       94         91       92       93       94         92       93       94       94         93       94       95       94         94       95       94       94         95       94       95       94         94       95       94       94         95       94       95       94         94       95       94       94         95       94       95       94         94       95       94       94         95       96       97       94         96       96       96       97         96       96       97       96		79	8	22	9	23	8	10
87       48       67       77       31         92       58       74       86       39         94       68       81       91       48         95       68       59       59         93       77       92       68         94       96       77       92         95       97       77         94       97       83         95       97       84         94       97       84         95       94       84         94       97       94         95       94       94         96       94       94         97       94       94         96       94       94         97       94       97         98       99       94         99       99       99       94         90       99       99       94         90       90       90       90         90       90       90       90         90       90       90       90         90       90       90       90		88		,		59	47	11
96       74       86       39         96       68       81       91       48         96       77       87       56       50         99       85       92       77         99       90       92       83         99       97       83       84         99       97       84       84         99       99       89       84         99       99       99       99         90       99       99       94         90       99       99       94         90       99       99       99         90       99       99       99         90       90       99       99         90       90       90       90         90       90       90       90         90       90       90       90         90       90       90       90         90       90       90       90         90       90       90       90         90       90       90       90         90       90       90       90 </td <td></td> <td>87</td> <td></td> <td></td> <td>11</td> <td>31</td> <td>84</td> <td>12</td>		87			11	31	84	12
96       68       81       91       48         96       68       59       59       59         99       77       99       77         99       77       99       77         99       77       99       84         99       99       84         99       99       84         99       99       94         91       99       94         90       99       94         91       91       94         91       99       94         91       91       94         92       93       94         94       94       94         95       94       94         96       97       94         97       94       97         98       99       99       91         99       99       99       99         90       91       91       91         90       90       91       91         90       90       91       91         91       92       93       93         91       92		26	85	74	<b>8</b> 8	39	57	13
96       68       81       95       59         98       7       60       60         99       85       93       77         99       90       95       83         99       97       84         99       99       84         99       99       99         90       99       99         90       99       99         80       99       99         80       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90		96	89	81	16	8	. 64	14
98       77       86       60         99       68       77         99       77       77         99       77       84         99       84       84         99       84       84         99       84       84         99       84       84         99       99       89         90       99       94         90       99       94         90       99       99         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90		8	89	81	96	29	72	15
99       98       68         99       77         99       77         99       83         99       84         99       84         99       84         99       84         99       99         99       99         99       99         99       99         90       99         90       99         90       99         90       99         90       90         90       90         90       90         90       90		86	77	87	96	09	73	16
99       95       77         99       77       83         99       84       84         99       97       84         99       99       99         91       99       94         92       99       97         93       99       97         94       99       99         95       99       99         94       97       97         95       97       97         94       97       97         95       97       97         96       97       97         97       97       97         98       99       99         99       90       99         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90         90       90       90		66	85	35	86	89	79	. 11
99       83       83         99       84       84         99       84       84         99       97       89       89         99       99       94       94         99       99       99       99         99       99       99       99         59       99       99       99         59       99       99       99		66	06	95	66	71	85	18
99       95       94       84         99       97       98       89       89         99       99       99       99       94         99       99       99       99       97         59       99       99       99       99         59       99       99       99       99		66	06	95	66	83	88	19
99       98       89       89         94       99       94       94         95       99       94       94         99       99       99       99         59       99       99       99         2299       26069       49338       1856       3101       49		66	95	6	86	25	06	8
99       99       99       94       94         99       99       94       94         99       99       97       97         59       99       99       99         22999       26069       49338       1856       3101       49		8	97	86	66	86	93	21
99     99     99     94       99     99     97       59     99     99       59     99     99       22999     26069     49338     1856     3101     49		8	66	8	66	94	96	22
99     99     99     97       59     99     99     99       22999     26069     49338     1856     3101     49		66		66	66	94	96	23
59 99 99 99 99 22999 26069 49338 1856 3101 49		66	66	66	66	, 6	86	24
22999 26069 49338 1856 3101		65	66	66	66	66	66	52
		52999	26069	49338	1856	3101	. 4987	z



TABLE 15 (Cont'd)

Raw Score to Percentile Conversion Tables - By Grade and Sex and By Grade Total  $\overset{\wedge}{\wedge}$ 

	Raw Scores	0 & below	01	02	03	04	90	90	07	80	60	10	11 ,	12	13	14	15	16	17	18	19	20	21	22	23	24	52
	Post High School Graduate Total	0	0	0	0		1	2	2	ĸ	ю	4	4	S	9	7	∞	6	. 11	12	13	14	16	18	20	21	24
	Post High School Graduate Male	0	0	0	0	0	0	0		1,		1	2	2	က	m	m	4	4	5	S	9	7	8	æ	6	11
GENERAL MECHANICAL COMPOSITE	Post High School Graduate Female	0	0		1	2	2	К	4.	ĸ	9	7	6	10	11	13	15	16	20	22	25	27	31	35	39	41	45
GENERAL MEC	9th Grade	0	0	0	0	1	1	2	2	m	m	4	ư	9	7	ω	10	11	13	14	16	18	20	23	26	27	30
安	9th Male	0	ڻ	0	0	0	0	, 1	1	1	2	2	2	က	ო	4	S.	જ	9	7	ω	6	10	11	13	14	16
	9th Female	0	› c	) <del>-</del>	-		- 2	ო	т	4	'n	9	80	6	11	12	15	16	19	22	25	27	32	35	40	42	ð
	Raw	O & helow	01	02	03	04	05	90	07	90	60	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25

(Cont'd)	COMPOSITE
TABLE 15 (	MECHANICAL
	GENERAL

	•																										
Raw	Scores	56	27	28	59	90	31	32	33	34	35	36	37	88	39	40	41	42	43	44	45	46	47	48	49	20	51
Post High School Graduate	Total	52	28	29	32	34	36	38	41	43	46	47	90	25	99	. 75	09	, 62	65	99	07	72	75	76	78	80	82
Post High School Graduate	Male	. 12	13	14	ìò	17	20	21	23	25	28	30	33	35	<b>88</b>	40	43	46	50	51	55	28	29	63	29	69	73
Post High School Graduate	Female	48	25	54	28	09	. 64	99	20	72	<u>5</u> 2	76	62	81	84	85	88	88	91	. 92	94	95	95	96	96	26	26
9th	Grade	33	37	38	42	45	49	20	54	25	09	62	. 99	89	, 71	72	, 97	78	&	88	85	<b>8</b> 8	88	88	16	35	93
9th	Male	18	20	22	25	27	Я	31	. 5£	38	41	43	47	S	54	56	09	63	29	69	73	75	79	8	83	85	88
9th	· remaile	S	55	25	62	65	69	11	75	78	81	83	85	. 48	06	91	93	94	. 95	96	97	97	86	86	98	86	66
Raw	cores	<b>5</b> 6	27	28	59	30	31	32	33	34	35	38	37	38	39	<b>0</b>	11	42	13	2	15	92	1.7	82	6	23	11



		igh aduate Raw . Scores		<b>7</b> 6	23	<b>3</b> 5	92	99		88	69	09		62	63	99	99		29	89	69	02	71	72	73	74	75	z
		Post High e School Graduate Total		Ĉ.	82	87	87	88	91	92	93	94	95	96	96	97	46	86	86	86	66	66	66	66	66	66	66	4987
		Post High School Graduate Male		74	7.7	٠ 79	83	83	<b>8</b> 8	87	88	- 06	92	<b>7</b> 6	94	95	95	46	86	86	86	66	66	66	66	66	66	3101
TABLE 15 (Cont'd)	GENERAL MECHANICAL COMPOSITE	Post High School Graduate	218161	97	96	86	86	86	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	<b>66</b> %	66	8	66	1856
	GENERAL	9	or age	<b>9</b> 6	95	96	96	97	97	86	86	86	86	8		66	66	66	86	66	66	66	66	66	66	66	86	49338
		9th	Maje	&	16	35	46	- 66	96	6	26	26	96	96	86	66	66	£	8	66	66	66	56	66	66	66	86	56069
		9th	Female	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	8	8	66	66	66	66	8	22999
		R.	Scores	25	23	75	; ;	) }	3 6	; 28	ŝ	9	: 13	29		3 2	5 5	: <b>5</b> 8	. 19	: 28	. 69	٤ ٤	: 5	: 2	. 2	. 7	: 22	×



TABLE 15 (Cont'd)

Raw Score to Percentile Conversion Tables - By Grade and Sex and By Grade Total

	ate Raw Scores	0 & below	01	02	03	04	92	90	07	80	60	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
	Post High School Graduate Total	-	-	-	2	2	æ	4	4	S	9	9	7	80	6	10	11	12	14	15	17	18	20	21	24	52	27
	Post High School Graduate Male	0	0	0		F	F	1	2	2	က	ю	æ	4	5	រភ	9	7	7	∞	6	, 01	10	11	13	14	15
ELECTRONICS COMPOSITE	Post High School Graduate Female	red.	2	e	က	₹	4	9	∞	6	10	11	13	14	15	17	20	21	24	26	30	32	36	38	42	44	47
ELE	9th Grade	F		е	က	4	ß	9	9	7	6	10	10	12	14	16	18	19	22	24	56	28	. 31	33	36	38	41
	9th Male	1	н	2	2	ĸ	ĸ	**	4	S	9	7	7	æ	6	10	n	12	13	14	14	16	18	20	21	22	25
	9th Female	г	က	m	4	S	9	7	6	10	12	14	16	17	20	22	56	27	31	34	38	41	45	48	53	55	09
	Raw Scores	0 & below	01	02	03	04	99	90	0,	80	60	10	11	12	13	14	15	16	17	18	19	02	21	22	23	24	52



	Raw Scores	56	27	28	53	ଛ	31	35	33	¥	35	38	37	88	33	40	41	42	43	44	45	46	47	48	49	20	. <b>21</b>
	Post High School Graduate Total	29	31	33	36	38	41	42	45	47	\$0 \$	. 25	\$	99	09	61	64	. 67	69	71	73	75	78	79	81	82	84
	Post High School Graduate Male	16	18	19	21	22	24	. 92	28	- ھ	33	38	37	39	42	44	48	51	54	. 99	09	63	92	29	70	72	75
TABLE 15 (Cont'd) ' ELECTRONICS COMPOSITE	Post High School Graduate Female	50	• <b>•</b> • • • • • • • • • • • • • • • • •	22	61	59	89	69	72	75	79	81	84	86	88	68	26	93	. 94	, 95	96	97	97	97	86	86	86
TABL	9th Grade	43	£7	. 89	: 25	54	57	65	62	64	89	69	22	74	77	78	, 81	82	8	· \$8	·&	88	88	: G	8	66	94
	9th	35	2 6	) F	33 %	. K	; 8	) P	. W	. <b>4</b>	÷ 64	51	54	25	61	63	29	, g	3 8	<b>7</b>	: 12	. •2	: &	s &	) w	£ 6	i <b>6</b> 8
	9th	rena 1 e	S 19	/8 <b>9</b>	<b>6</b>	ς ¥	2 8	₹ ≅	; <b>%</b>	\$ \$	3 &	06	26	. E	2 8	. £	; <b>,</b>	0 2	6 6	, o	S 8	o &	2 8	0, 0	n 0	n o	66
	R G	Scores	9 8	/7	87 87	<b>7</b> 0	<b>3</b> 8	33	33	,	¥	8 <b>8</b>	33	300	} <b>6</b>	90	₽ ₹	1 °	7.	າ <b>ແ</b>	; u	. 40 . 40	÷ £	, ·	<b>2</b>	ŭ c	51 51



TABLE 15 (Cont'd)
ELECTRONICS COMPOSITE

	Post High School Graduate Raw Total Scores	85 52	87 53	88 54	88 55	95 06	91 57	95 26	93 59	94 60	94 61	95 62	96 63	97 64	97 65	99 86	29 86	89 86	69 86	96	71	27 66	99 73	99 74	99 75	4987 N
	Post High School Graduate School	76	79	81	81	84	98	88	68	06	26	93	94	95	, 96	26	26	76	86	86	. 86	66	66	66	66	3101
, and a second	Post High School Graduate Female	86	86	66	66	66	66	66	66	66	66	66	66	66	66	. 66	66	66	66	66	66	66	66	66	66	1856
,	9th Grade	95	95	96	96	46	97	86	86	86	86	. 86	66	66	66	66	. 66	. 66	66	66	66	66	66	66	66	49338
	9th Male	06	92	93	93	96	96	96	97	97	86	86	86	86	66	66	66	66	66	66	66	66	66	66	66	26069
	9th Female	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	22999
	Raw . Scores	52	53	54	55	95	57 ×	88	23	09	61	29	63	64	65	%	29	89	69	70	7.1	72	73	74	75	z



TABLE 15 (Cont'd)

Raw Score to Percentile Conversion Tables - By Grade and Sex and By Grade Total

			MOTOR	MOTOR MECHANICS COMPOSITE			
Raw	<b>t</b> 36	94	9th Grade	Post High School Graduate Female	Post High School Graduate Male	Post High School Graduate Total	Raw Scores
Scores	Female	ajaj	200	-	0	0	0 & below
0 & below	-	0	٠,	•	0	1	01
01	1	mi i	-			pref	02
02	2	<b>⊣</b>	<b>.</b>		1	, 1	03
03	7	1	7 (		-	. 1	8
04	m	7	ν, (	, "	1	2	92
05	m	<b>6</b>	n (	n 4	1	2	90
90	4	7	n ×	• 4	r	2	07
07	۰/	m	<b>4</b> 1	·	1	e	80
80	•	m	'n	s 4	. 2	£	8
60	7	7	n	, ,,	2	4	10
10	æ	4	0 1		2	4	11
11	10	4	*	,	•	,	15
12	11	\$	æ	<b>∞</b>	n (	n 4	۲ ۲
13	13	ø	6	10		, v	. 7
14	15	9	11	11	m	٥	·
	17	,	12	12	က	7	SI '
ç. Y.	19	κο	13	13	, 7	œ	91
21 .	"	6	15	16	4	6	71
, , , , , , , , , , , , , , , , , , ,		10	17	17	Ŋ	10	18
<b>9</b> †		,	20	21	<b>'</b>	12	19
19			21	23	•	13	20
20	,		76	27		15	21
21	36	3	; ;	20	ω	16	22
22	07	14	17	; ;	œ	18	23
23	97	16	<b>9</b>	n 2	01	19	24
24	87	17	32	3	;	"	25
25	24	. 50	36		#	1	3



TABLE 15 (Cont'd)

MOTOR MECHANICS COMPOSITE

Raw Scores	9th Female	9th Male	9th Grade	Post High School Graduate Female	Post High School Graduate Male	Post High School Graduate Total	Raw Scores
26	58	21	38	- 77	12	, 24	56
27	63	24	42	87	13	56	27
28	. 99	26	77	20	14	28	28
29	7.1	29	67	57	15	31	29
30	7.5	32	52	61	17 9	33	30
31	. 61	36	99	65	19	36	31
32	81	38	58	89	20	38	32
33	85	75	62	73	23	41	33
34	87	45	65	92	24	77	34
35	06	50	69	, 62	27	- 95	35
36	9.5	52	70	81	28	87	36
37	76	56	74	84	32	51	37
38	95	09	76	98	34	54	38
33	96	79	79	89	37	57	39
40	97	99	81	06	07	59	40
41	97	7.1	78	92	43	62	41
42	86	74	85	93	97	79	42
43	86	78	88	93	67	99	43
4	86	80	68	95	51	89	44
45	66	83	. 16	96 .	55	7.1	45
46	99	85	92	97	58	73	46
47	66	88	93	97	62	76	47
48	66	89	76	86	79	7.7	48
49	66	91	95	86	89	79	49
20	66	92	96	86	7.1	81	20
51	66	76	96	* 86	7.4	83	51
						,	



(Cont'd)	OMPOSITE
TABLE 15 (Co	NOTOR MECHANIC

Raw Scores	25	53	54	55	99	25	58	69	. 09	61	29	63	64	65	99	29	89	69	70	71	72	73	2 ;	<b>4/</b>	75	z
Post High School Graduate Total	78	98	87	89	06	91	92	93	76	56	96	96	76	97	86	86	86	66	66	66	66	o		66	66	4987
Post High School Graduate Male	75	. 8/	80	82	78	98	. 88	68	06	92	76	76	, 95	96	97	7.6	86	86	` 66	66	66	o c	66	66	66	3101
Post High School Graduate Female	56	66	66	66	66	, 66	66	66	66	66	66	66	66	66	66	66	. 66	66	66	66	. 0		66	- 66	66	1856
9th Grade	9.7	97	. 80	. 86	. 86	86	86	66	66	66	66	56	66	66	66	66	66	66	ø			66	66	66	66	49338
5 is	il																									7
9th Male	1	Ç	S 4	26	7.0	86	86	86	86	86	66	66	66 .	66	ŏ	6	6	00	0	44	<u>۲</u>	66	66	66	66	26069
9th Famale	ביים ביים ביים ביים ביים ביים ביים ביים	66 6	56	66 0	99	66	66	66	66	66	66	. 66	66	66	. 6	66	66 00	93	99	66	66	66	66	66	66	22999
Raw	Scores	52	χ, ;	4. r	ត្ត ដ	o 1	S &	) o	; U	61 S		£ 2	\$ <b>4</b>	5 4	n (	99	19	89 (	69	70	71	72	73	74	75	z

TABLE 15 (Cont'd)

Raw Score to Percentile Conversion Tables -  $\hat{\mathbf{y}}$  Grade and Sex and By Grade Total

			GENER	GENERAL TECHNICAL COMPOSITE			
Raw Scores	9th Fenale	9th Male	9th Grade	Post High School Graduate Female	Post High School Graduate	Post High School Graduate Total	Raw Scores
0 & below	0	0	0	O	0	0	0 & below
01	0	F	٠ 🕶	1	o <sup>,</sup>	0	10
02	1		1	F	1	7	02
03	1	2	2	2	1	2	03
04	,	ю	2	ĸ	2	2	9
90	۳	ж,	ю	4	2	en ,	90
90	4	4	4	ĸ	ю	4	90
20	S	5	S	S.	ю	'n	07
90	9	Q	9	7	4	9	80
. 60	7	7	7	6	s.	7	6
10	∞	<b>60</b>	œ	. 11	9	. 00	10
11	10	, 10	10	13	ω	10	11
12	12	12	12	15	6	11	12
13	14	13	14	16	10	13	13
14	16	15	16	18	12	14	14
15	19	18	19	21	15	17	15
J6	22	20	21	24	16	19	16
17	25	23	24	26	18	21	17
18	28	56	27	59	21	24	18
19	32	·30	31	33	. 23	27	. 19
20	35	33	34	35	25	59	20
	. 39	37	38	. 37	29	32	21
22	43	40	42	40	31	35	22

24 25



TABLE 15 (Cont'd) GFNFRAL TECHNICAL COMPOSITE

Raw Scores	56	27	2 <b>8</b>	53	30	31	32	33	34	32	36	37	38	39	40	41	42	43	44	45	46	47	#	49	20	z
Post High School Graduate Total	48	53	57	9	63	89	7.1	74 。	78	32	84	87	88	92	93	93	96	26	86	86	66	66	66	66	66	4987
Post High School Graduate Male	45	20	53	ţ'n	2	ő5	89	7.1	9/	80	83	85	87	Ċ.	35	94	95	96	96	86	66	66 .	66 ,	66	66	3101
Post High School Graduate Femal	54	. 89	61	64	29	72	75	78	82	84	87	88	31	94	95	96	26	86	86	66	66	66	66	66	66	1.26
9th Grade	or I	6 4	, <b>6</b>	72	76	8	83	98	88	91	93	94	96	26	26	98	86	66	66	66	66	66	66	66	66	49338
⊬th Ma]e		76	30 99	8 2	74	78	81	84	87	06	92	93	95	95	26	86	86	86	66	66	66	66	66	ő6	66	26069
9th Female		91	90 02	7.0	78 7	? %	3. 85	87	06	26	94		9. A	96	, &		o 6 o		6.6 6.6	66	6	66	66	66	, G	52999
Raw	30000	97	73	5 6	30		32	33	34	35	36	37	38	36 5	40	S &	*, 64	j (*	\$ \$	44	46	47	<b>6</b>	竹竹	51	z



				TARRE 15 (Cont'd)			
		Raw score to	Percentile Conversio	Raw ocono to Percentile Conversion Tables - By Grade and Sex and By Grade Total	Sex and By Grade Total		
			J	CLERICAL COMPOSITE			
	9th Fenale	9th e.e.	9th Grade	Post High School Graduate Female	Post 41gh School Graduate Male	Post High School Graduate Total	Raw Scores
<b>*</b> C	. 0	D	0	0	0	0	0 & below
	8	C	3	O	0	<b>3</b>	01
	ä	ņ	0	O	0	Э	02
	Õ	0	2)	0	0	0	03
	_	ð	O	0	0	0	04
	0	0	0	0	0	0	90
	0		О	0	0	0	90
	0			0	-	1	07
		~1	-	1	1	1	08
		3	C3	1	2	7	60
		٣	3	ı	7	6	10
	61	4	eì	2.	٤	3	11
	3	\$	7	2	4	٣	12
	4	7	\$	м	5	4	13
	ν	αυ	9	7	9	5	14
	9	10	∞ !-	5	7	9	15
			6	9	<b>&amp;</b>	<b>∞</b>	16
	6	14	12	œ	10	6	17
	11	16	# / # /	6	12	11	18
	13	19	16	11	15	13	19
	3.6	23	20	13	17	16	20
	19	27	23	15	20	18	21
	22	31	27	18	22	21	22
	56	36	31	20	25	23	23
	30	41	36	23	28	26	24
	35	47	41	25	32	. 30	25



		Raw Scores	56	27	28	53	30	31	32	33	34	35	36	37	38	33	40	41	42	43	44	45	46	47	48	49	20	51
		Post High School Graduate Total	33	38	42	97	5.1	95	6.1	99	71	75	79	83	86	68	92	93	56	96	26	26	86	86	86	66	( ب	66
		Post High School Graduate Male	36	41	\$ 7	, 50	\$\$	0.	99	1,	76	79	83	86	68	92	76	56	95	26	76	86	86	86	66	66	66	66
TABLE 15 (Cont'd)	CLERICAL COMPOSITE	Post High School Graduate Female	29	32	35	07	77	48	53	58	, 63	68	73	77	81	85	88	06	92	95	96	97	86	86	86	. 66	. 66	66
146	CLER	9th Grade	9,5	. 52	58	63	69	7 47	79	83	28	06	92	76	ñ	7.5	86	86	86	66	66	66	66	66	66	66	66	66
		9th Male	52	58	79	69	75	6/	;÷	87	06	63	56	96	26	86	86	86	66	66	66	66	66	66	66	66	66	66
		9th Female	0,7	. 57	1,0	\$6	6	, x	en Fr	20	20	86	<del>5</del> %	۲,6	76	46	2.6	86	86	86	66	66	66	66	66	. 66	66	66
		Raw Scores	26	23	28	53	<u> </u>	3 8	33 23	;; ;;	r ≉	, %	3 %	37	, g	, E	6 4	÷ -	2 87	£3.	94	. 4 2	n 4	£ 4	· •	o c	ń (	51



	Raw Scores	52	53	54	55	99	57	58	z
	Post High School Graduate Total	66	66	66	66	66	66	<b>66</b>	4987
	Post High School Graduate	66	66	66	66	66	66	66	3101
ABLE 15 (Cont'd) ERICAL COMPOSITE	Post High School Graduate Schi Female	66	66	66	66	66	66	66	1856
. บ	9th Grade	66	66	66	66	66	66	66	49338
	9th Male	66	66	66	66	66	66	66	26069
	9th Female	66	66	56	66	66	56	66	22999
,	Raw Scores	25	53	54	55	95	57	58	z



TABLE 16

AREA I (CONNECTICUT, MAINE, MASSACHUSETTS, NEW MAMPSHIRE, NEW JERSEY, RHODE ISLAND AND VERMONT) MEANS AND STANDARD DEVIATIONS OF ASVAB SCORES BY AREA, GRADE AND SEX

	Part	CS	¥	AR	7,4	δ	Ω.	SI	ΑI	EI	Æ	ដ	Σ	GT	ರ	z
ص م	S	13.67	4.57	5 63	5.99	5.55	4.81	5.43	5.06	5.80	13 89	14.95	13.20	8.93	7.31	69514
Total	Σ	47.94	14.73	13.74	10.95	13.71	12.67	11.49	10.82	11.04	36.68	34.75	34.30	28.47	30.37	69
,	S	12.77	4.27	5.39	5.13	5.49	4.50	4.65	4.76	5.18	12.39	13.32	12.15	3.46	6.75	15565
12-M	Σ	47.04	15.43	15.48	15.16	15.18	15.02	15.15	14.31	14.79	45.48	44 60	43.64	30.91	30.78	155
L.	5	13.06	4.44	5.52	4.00	5.39	4.18	3.82	3.49	4.33	10.67	11.00	9.03	8.81	96.98	10942
12-F	Σ	53.86	15.74	13.94	6.93	13.41	11.15	8.15	8.52	8.49	29.71	28.13	28.20	29.68	33.36	109
s:	S	12.79	4.28	5 51	5.01	5.46	4.47	4.58	4.60	5.09	12.13	13.14	11.67	8.58	6.79	6
	Σ	45.90	15.09	14.97	14.66	14.88	14.72	14.69	13.38	14.09	44.27	42.90	41.47	30.06	30.06	6086
	S	12.59	4.31	5.34	4.01	5.24	4.11	3.80	3.53	4.21	10.53	10.64	8.97	8.47	6.68	15
11-F	Σ	52 71	15.45	13.66	7.01	13.54	11.16	8 14	8.20	8.17	29.82	27.50	27.55	29.10	32.68	8315
Σ	8	13.47	4.63	5.57	5.05	5.63	4.71	4.73	4.61	5.62	12.70	14.35	12.08	3.99	7.30	6/
N-01	Σ	43.24	13.68	13 16								38.04	36.84	26.85	27.77	8279
ı.	S	13.19	4.67	5.24	3.61	5.29	4.22	3.81	3.59	4.29	10.62	10.87	9.25	8,76	7.06	88
10-F	Σ	50.38	13.81	11.78	6.32	12.29	10.18	7 45	7.23	6.97	27.19	24.13	24.65	25.59	30.27	7658
	Part	Sn	ž	AR	¥	SP	ž	SI	AI	EI	₹5	딥	Ŧ	ET	ರ	27



TABLE 16 (Cont'd)

AREA II (NEW YORK, PENNSYLVANIA AND DELAWARE)

Si -				
_	χ	ν	2	S
	55 43 13 84	1 48.53 13.20	20 48 95	14.23
	15.22 4.61	15.33	4,30 14 48	4 70
15.27 5.75	13.98 5.65	5 57 3 5	25 113 67	lai r lai
13.98 5.21	6.90 3.94	د ا5.21 ا	27, 10.94	9
14.96 5.56	13.49 5 41	15 22 5	68 13 84	<b>5</b> £0
14.63 4 73	11.20 4.35	15.15 4	62 12.80	9t \$
14.13 4.80	8.25 3.96	15.28	4 73 11.58	5 · j
12 68 4.74	8,56 3.68	14.32	4 /4 10.87	5.12
13 92 5.34	8.82 4.38	14.28 5	04 11 33	5 74
43.23 12 73	29 99 11.09	45 78 12	67 37 00	14 11
42.47 13 97	28 84 11.33	44.91	25 35 47	15 93
39 99 12.24	28.32 9.67	43.80	22 34.53	13 45
30.21 9.11	29.21 9.17	3:.06	65 28 45	9 34
30.36 7.25	33.37 7.25	31.17	96 30.47	7.60
13976	17142	25273	98275	75
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5.34 8.82 12 73 29 99 1 13 97 28 84 1 12.24 28.32 9.11 29.21 7 25 33.37	5.34 8.82 4.38 14.28 12.73 29.99 11.09 45.76 1 13.97 28.84 11.33 44.91 1 12.24 28.32 9.67 83.80 1 9.11 29.21 9.17 3:.06 7.25 33.37 7.25 31.17	5.34 8.82 4.38 14.28 5.04 11.31 12.73 29.99 11.09 45.76 12.25 35.47 12.24 28.32 9.67 63.80 12.22 34.53 9.11 29.21 9.17 31.06 8.65 28.45 17.25 33.37 7.25 31.17 5.96 30.47



6565

TABLE 16 (Cont'd)

AREA 111 (DISTRICT OF COLUMBIA, MARYLAND, NORTH CAROLINA, SOUTH CAROLINA, VIRGINIA AND WEST VIRGINIA)

	Part	Ş	3	¥	AR	¥	Sp	;	S E	SI	Aì	ij	:	ર્કે	Ħ	3	Ē	GT	ರ		z	
~	S	14 60	,	5.4]	26.5	6 01	5.72	;	5. <del>14</del>	5.29	5.07	5 61	,	13.95	14 94	12 62	00'0	10.25	8 52		12698	
Total	Σ	46.88	3	12.47	11.95	9.79	11.86		11.26	10.55	11.00	ני טנ		32.97	32.07	ָרָר רָרָ מְנָי	33.23	24.42	27.77		98	
_	S	12 21	13.7	5.38	5.91	5.29	5 86	3	5.05	4.62	4.75	č	2.71	12 86	14.11	ç	17.71	10.23	8.35		26762	
12-M	Σ	;	43.63	13.15	13.52	13.78	01 51	2	13.44	13.82	14.04		13.49	40.73	40.42	;	41.52	56.66	27.89		.92	
	S		14.19	5.24	5.73	3.98	7 7		4.45	3.94	3.65	ļ	4.37	11.16	11,39		9.61	9.93	8.21		22707	
12-51	Σ		51.55	12.95	11.65	5.93	;	74.11	9.73	7.60	8.78		8.25	26.62	26.23		27.28	24.61	29.80		.22	
*	S		12.96	5.33	5.76	5,21		5.77	5.00	4.61	4 80	)	5.34	12.68	14.21	<u>.</u>	12.56	96.6	8 03	3	21	
	x		43.98	12.90	13.06	13 23	2	13 04	13.13	13.33	12 15	?	12.75	39.69	5	20.00	39.45	25.96	27 23	3:	7512	
14.	J		13.81	5 21	5.66	37.6	2	5.43	4 34	3.89	در د	?	4.49	11.03	;	76.11	6.67	9.84	7 90	66.1	7379	
1.5	2		50.46	12.71	11 37	07 1	00 0	11.42	9 61	7.38	6	67.6	79.7	26.13		24.95	26.12	24.08	,	61.67	73	
	·	0	14.44	5.38	59 9		9. <u>1</u>	99.5	5.10	4.70		4.32	5.63	12.85		14 94	12.92	9.89	: :	×.4/	7168	o o
<b>N</b> -0(	:	E	41 85	11.18	) : :	5	12.58	11.43	11 83	12 59		11.98	11.28	19 90	0.00	34 40	35.78	27 19		24.79	1,2	•
u		^	14.85	, v	) ;	0.0	3 73	5.22	4 37	90	000	3 78	4.46		6.03	11 46	9.82	38	2	8.04	į	65
2	2	<b>2</b> .	[0 67	31. 40		9	5.62	10.56	3 05		17.7	7.68	7 19	: ;	66.42	23 32	24.30	23 52	30	27.49	Ş	6969
		Part	2	) <u>}</u>	<u> </u>	¥	×	S	<b>3</b>	į ;	ĭ,	AI	<b>1</b>	i i	<u>.</u>	딥	ş	: ;	5	ರ	i	7



TABLE 16 (Cont'd)

AREA IV (ALABAMA, FLORIDA, GEORGIA, MISSISSIPPI AND TEMBESSEE)

S Part		2. A										
47 89	12			•	,	•	•	•	•	•	•	•
M S S 47.89 14.18		80 8	n	56 3 08 5 13 5	ת מו מו ח		n w w w <del>d</del> <del>d</del>		4			6 6 6 7 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
5		5 72 13		4,32 14 5.43 13								
M52.56	12.89	11.74		6.42	6.42 11.54 9.82	6.42 11.54 9.82 7.81	6.42 11.54 9 82 7.81	6.42 11.54 9.82 7.81 9.01	6.42 11.54 9.82 7.81 9.01 8.40	6.42 11.54 9 82 7.81 9 01 8.40 27.16	6.42 11.54 9 82 7.81 9 01 8.40 27.16 26.93	6.42 11.54 9.82 7.81 9.01 8.40 27.16 26.93 27.86
s 13.52	5.24	5.94		5.06	5.06 5.93 5.04	5.06 5.93 5.04 4.55	5.06 5.93 5.04 4.55	5.06 5.04 4.55 4.74 5.38	5.06 5.04 4.55 4.74 5.38	5.06 5.04 4.55 4.74 5.38 12.74	5.06 5.04 4.55 4.74 5.38 12.74 14.47	5.06 5.04 4.55 4.74 5.38 12.74 14.47
M 45.			13, 73						·			
S 14.29		5	3 98	5.62					_			
2 52.72		-	6 6.15	9 12.30								
	. v	ro.	4.96			v	ന് ര <b>ക് ക്</b>					
4 61 81	-											
5								5.43 72 4.43 54 3.87 54 3.81 90 4.45	_		<b>-</b> -	<b>-</b> -
Part 4	12 5.1		TK 5.97		•	•	•	•	•	•		SI 11 67 9 72 SI 7 54 AI 7.54 AI 7.54 B.90 AM 26.74 EE 23.51 GI 74.80 GI 74.80 GI 74.80



TABLE 16 (Cont'd)

AREA V (INDIANA, KENTUCKY, MICHIGAN AND OHIO)

	Part	SS	¥	AR	¥	SP	MC	SI	ΑI	EI	<b>X</b>	П	Σ	GT	ರ	z
=	S	13.98	4.92	5 77	6 12	5 63	5.03	5 55	5,29	5 72	14.21	15 08	13.90	9 45	7.68	563
Total	Σ	48,35	13.61	13 18	11.14	13.58	12.47	11.93	11.58	11.33	37.43	35.13	35.63	26.79	29.40	109663
<b>5</b> -	S	12.90	4.48	5.59	5.07	5 57	4.65	4.53	4.69	4.88	12.27	12 99	12.10	8.87	7.04	29253
12-M	Σ	48 00	14.48	14.97	5.64	14.99	15.00	15.78	15.35	15.01	46.55	45.01	45.69	29.43	30.13	562
<b>L</b> L	8	13.32	4.51	5.47	4.07	5.33	4.24	4.02	3.62	4.23	11.00	10.78	9.19	8.82	7.01	22880
12-F	Σ	54.93	14.62	13.31	7.17	13.50	וו.וו	8.82	9 56	9.23	31.13	29.57	29.62	27.93	32.59	22
5	S	12.97	4.74	5.78	5.08	5.70	4.65	4.66	4.74	5.29	12.70	14.00	12.47	9.37	7.36	13682
<b>¥</b> - [ [	Σ	45.45	13.78.	14.07	14.76	14.67	14.37	14.97	13 95	13.95	44.62	42 27	42.27	27 85	28.59	13
<b>L</b> L	S	13.07	4.69	5.63	3 74	5.37	4.30	3.86	3.58	4.29	10 82	11.03	9.32	9.23	7.10	11031
11-F	5	52.42	13.95	12 78	99.9	13.40	10.82	8.21	8.36	8 15	29.82	27.13	27.54	26.73	31.09	נו
<b>3</b> 7.	S	12.74	4 96	5.67	5.08	5.60	5 02	4.90	5.00	5 64	13.14	14.92	13.23	9.48	7.51	10746
10- x-	r	41 48		12.81	13.16	12.95	12.64	13.45	12 00	11.93	39.85	36.49	36.64	24.47	25.78	10
LL.	S	13.69	4 79	5.33	3.67	5 27	4.37	3.96	3 6	4.49	11 98	11.57	9.95	8.95	7.39	34
19-61	5"	43 49	12 20	10.89	6 12	11 53	9.50	7.56	7 61		75.76	23.50	24.72	23.09	28.05	9434
	Part	2	<b>?</b> }	( ) E d	<u> </u>	: 9	, <u>s</u>	· .	, ,	; ធ	; 8	; .:	} §	; t:	ี ฮ	7



TABLE 16 (Cont'd)

AREA VI (IUWA, MINNESOTA, MONTANA, NORTH DAKOTA, SOUTH DAKOTA AND MISCONSIN)

	Part	SS	*	AR	¥	Sp	ž	SI	AI	EI	£	ដ	£	<b>61</b>	ರ	z
	S	12.35	4 14	5.45	26.9	5.29	4.58	5 53	5 29	5.24	13.68	13 72	13.55	8.35	6.62	45
Total	Σ	50.89	15.05	15.15	12.73	15.02	14.20	13.35	13 00	12.76	41.71	39.72	40.20	30.20	31.68	39545
	5	11.62	3.99	5.27	4.64	5.24	4.11	4 09	4.45	4.27	11.04	11.29	11.22	8.03	6.14	48
12-M	Y	49.06	15.48	16.56	17.25	16.06	16.41	17.1	16.76	15.92	50.34	48.25	49.94	32.04	31.50	12848
LL.	S	12 09	3.93	5.32	4.04	5.03	3.91	3.90	3.25	3 89	10 51	9.84	8.25	8 04	91.9	8
17-51	Σ	56.75	15.65	15.14	3.00	14.97	12.49	9.46	9.64	10.00	33.88	32.49	31.77	30.79	34.23	9053
Σ	S	12.31	4 08	5.35	4.55	5.25	4.09	4.12	4.32	4.34	11.13	11 38	10.91	8.15	98.39	6
¥- [:	Σ	47.57	14.79	15 49	16.62	15.37	15.88	16.66	15.68	15.31	48.69	46.49	47.23	30.28	30.31	5629
LL.	2	12.72	4.04	5.26	3.84	5.08	3.99	3.85	3.29	3,99	10.34	10 01	8.43	8.05	6.38	82
11-6	Σ	54.57	14 86	13 95	7.45	14.21	11.87	10.6	9.20	9.24	32.23	30.35	30.27	28.81	32.72	5058
æ	S	12.87	4.52	5.45	4.72	5.43	4.32	4 21	4.52	5.12	11.42	13 04	11.55	8 76	7 14	22
₩-0t	Σ	44 77	14.05	14.24	14.49	14.70	14.46	14.61	12.70	13.39	43 93	41.25	39.86	28.29	28.64	2273
ų	S	12.30	4.25	5.13	3.66	5.19	4.11	3.75	3 53	4 28	10 28	10.77	8.99	8.19	6.52	00
10-F	Σ.	50 82	14.21	12.94	7.01	13 37	11.00	8.29	8.20	8 15	29.95	27.30	27.39	27.15	30.82	1790
	Part	5	꿆	AR	¥	ςS	<b>3</b>	SI	۲ ا	وسو ليد	<b>≱</b> £	ದ	¥	<u>;</u> -	บ	2-

AREA VII (ILLINOIS, KANSAS, MISSOURI AND NEBRASKA) TABLE 16 (Cont'd)

	Part	CS	¥	AR	¥	SP	S.	SI	ΑΙ	EI	æ	ដ	¥	GT	ರ	z
lotal	S	13 10	4.4'	5 63	97.9	5 48	4 79	5 39	5.19	5 52	13 68	14.40	13.46	8.95	7.09	75442
<sup>2</sup> 0	Σ	50.77	14.62	14.24	11.51	14.24	13.25	12.27	11.93	11.72	38.77	36.68	37.11	28.86	31.21	_
Σ	S	12.56	4.31	5.60	5.05	5 51	4.47	4.39	4.65	4.72	11.84	12.48	11.91	8.72	6.77	21 003
12-M	Σ	49.17	15.15	15.67	16.12	15.35	15.46	16.04	15.62	15.17	47.44	45.80	46.69	30.82	31.21	12
<b>L</b> L.	\$	12.82	4.32	5 58	3.98	5.34	4.20	3.80	3.38	4.05	10.55	10.43	8.79	8.70	6.67	15819
12-F	×	57.40	15.30	14.38	7.21	14.11	11.67	8.87	9.19	9.05	31.83	29.76	30.05	29.68	34.10	15.
5"	S	12.20	4.28	5.55	5.18	5.47	4.46	4.42	4.62	4.95	11.88	12.86	11.77	8.59	6.62	10568
H-[	Σ	47.73	14.83	15.05	14.97	15.17	15.04	15.07	14.20	14.44	45.31	43.92	43.44	78.62	30.40	10
la.	S	12.43	4.30	5.41	3.76	5.24	4 :5	3.67	3.35	3.99	10.30	10.18	8.64	8.53	95.9	98
11-5	E	55.17	14.95	13.80	6.76	13.91	11.52	8.51	8 61	8.43	30.92	28.38	28.74	28.75	33.01	8986
5"	S	12.12	4.57	5.55	5.11	5 38	4.72	4.53	4 69	5.25	12.14	13.77	12.29	8.87	6.89	7095
10-M	Σ	43 40	13.28	12.96	13.97	13.52	13.63	14.09	12 80	:2.73	41.70	39.09	39 24	26.25	27.42	70
14-	v	12.72	4.53	5.19	3.69	5 09	4.16	3.79	3 61	4.21	10.41	10.70	9.32	8.51	6.73	61
j-61	Σ	51.43	13.29	12.00	-6.33	12 33	10.35	7.95	7.98	7.51	28.23	25.37	26.31	25.29	30.09	6249
	Part		3	æ	24	S	Ų.	SI	¥.	= ==	; <b>&amp;</b>	a ad	£	GT	5	z



TABLE 16 (Cont'd)
AREA VIII (ARKANSAS, LOUISIANA, OKLAHOMA AND TEXAS)



TABLE 16 (Cont'd)

AREA IX (ARIZONA, COLORADO, IDAHO, NEW MEXICO, NEVADA, UTAH AND WYOMING)

10.5		¥-0[	×	11-5	LL.	F- []	£	12-F		12-M	ž	Total	aj	
:		2	, :	×	v	Σ	S	Σ	S	Σ	S	E	S	Part
£	6		9 5	27 25	12 41	46.63	12.06	54.92	12.67	48.83	12.36	49 07	12.98	S
49.77	12.06	43.79	00.1	26.73			89	15 15	4.6]	15.00	4.63	14.07	4.84	¥
12.83	4 78	12.96	4 85	14.26	4.65	7.4.	9		<u>.</u>			74.00	5	o c
11.25	5 27	12.57	5.71	13.02	5.59	14.57	5.66	13.75	5.65	15.37	5.68	13.45	0.0	¥ X
6.77	3.66	14.65	4 85	7 72	3.95	16.49	4.72	8.04	4.13	17.25	4.62	13.23	6.23	¥
, or .	20	14, 03	5,49	14.05	5.22	15.57	5.33	14.50	5.25	16.16	5.37	14.46	5.49	SP
64.21	2	13 92	4.72	11.67	4.30	15 48	4.45	12.02	4.27	16.04	4.50	13.38	4.93	S S
24.0.	. · ·	14 40	4 47	00.6	3.98	16.19	4.36	9.22	4.04	16.65	4.35	12.56	5.54	SI
8.0	0/.0	13 12	4 45	9.37	3,58	15.39	4.65	98.6	3.61	16.38	4.69	12.40	5.25	ΑI
φ. γ.	00.00	7	3 2	. 09 8	4.22	14.85	4.97	9.14	4.17	15.47	4.92	11.59	5.71	ΕI
7.15	4.24	77.71	,	3 6	33	47 95	11.80	32.94	10.91	49.47	11.73	39.59	14.10	æ
78.47	10.46	42.83	17.13	50.56	5		50 51	30 30	10.80	46, 99	12.95	36.55	14.95	ᆸ
24.71	10 68	39 47	13.87	28 86	10.76	45.18	13.02	20.00				76 96	32. 51	3
27.34	9.54	40 15	11.72	30.41	9.33	46.26	78.7	31.73	9.35	48.81	17.11	78.17	2.5	Ē
24 08	8.8	25.53	9.34	27.28	9.13	28.94	9.13	28.90	9.14	30.38	9.18	27.51	9.49	GT
29.08	6.84	27.22		31.51	7.03	29.61	6.98	33.13	%.'/	30.94	7.04	30.09	7.40	บ
A005	4	42	4294	32	3268	42	4270	. 6004	04	7.	7351	3.	31881	z



TABLE 16 (Cont'd)

AREA X (ALASKA, CALIFORNIA, HAWAII. OREGON AND WASHINGTON)

Total	S	13 13 CS	4 74 WK	5.79 AR	6.25 TK	5.58 SP	4.90 MC	5.59 \$1	5 37 / AI	5.82 EI	14.25 GM	15.14 EL	13.95 MM	9 35 31	7.43 CL		
10	Σ	48.46	14.78	14.06	12.03	14.92	13.61	12.30	12.03	11.54	39.52	20.68	37.67	28.79	30.55		ř
N-51	\$	12.39	4.50	5.70	5.04	5.46	4 53	4.57	4.88	5.03	12 21	13.25	12.43	9.04	96.9		
-	Σ	47.73	18.34	15.54	16.45	16.37	15.90	16.08	15.78	15.23	48.53	46.35	47.45	30.88	30.91		,
J-21	S	12.78	4.53	5.57	4.15	5.45	4.25	3.97	3.54	4.18	10.92	10.73	9.17	8.92	7.00	,	,,000,1
	×	54.18	14.59	14.07	7.69	14.67	12.14	8.84	9.28	8.73	32.35	29.60	30.69	29.65	33.31		٠,
₩-[	S	12.12	4.56	5.71	4.94	5.44	4.50	4 52	4.67	5.10	12.14	13.31	11.97	9.11	6.97	,	7.5
	Σ	46.15	14.76	14.94	15.92	15.87	15.51	15.59	14.70	14,56	47.04	44.63	44.91	29.69	29.81		•
11-F	5	12.24	4.53	5.48	3.96	5.31	4 19	3.86	3.48	4.14	10.64	10.53	90.6	8.89	6.85		1000
	Σ	95 28	15.04	13,55	7.50	14 27	11.83	8.54	8.84	8.22	31.36	28.28	29.51	28.60	32.27	,	-
N-01		2 12 39	5 4.96	5.76	5 5.06	5.63	3 4.97	4.77	4.94	5.73	12.80	15.00	13.06	9 53	7.55		7007
	Σ	9 41.82	4 13 26	13.12	3 14.35	9 14.46	13.78	5 , 13 89	5 12.42	12.51	42.24	38.80	38 61	5 26.38	26.87		
10-F	S	5 12.49	1 4.84	5.51	3.93	5 5.39	9 4.44	3.96	3.86	0 4.22	10.99	3 10.99	10.03	9.15	3 7.31		0369
	Part M	5 48.15	K 13.51	١2.06	K 6.74	13.05	10.69	7.64	1.68	6.70	1 28.34	. 24.08	1 26.05	75.57	. 29.23		
	2	S	¥	¥	¥	ኝ	¥	SI	A.	3	3	7	£	19	ರ		

TABLE 17

 $\dot{\omega}$ 

APEA : (CIV - TICUT, MATTE, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, RHODE ISLAND AND VERMONT). MEANS AND STANDARD DEVIATIONS OF ASVAB SCORES BY AREA, GFADE AND SEX

	9.5	Ū.	W-6	POST-HIGH SCHOOL GRADUATE FEMALES	SCHOOL FEMALES	POST-HICH SCHOOL GRADUATE MALES	r School. : Males	•
		, 25	ŗ	×	S	Σ	5	Part
;	-	-	i			34 66	14 93	<i>S</i>
38	12.32	37.93	11 51	53.41	15.84	44,33		2
2	4,46	12 50	4 71	14.84	4.30	14 26	4.37	ŧ
3 8		11 55	5 07	12.50	5.30	13.86	5. 17	AR
0			4 77	6.27	3.68	13 97	5.44	7.
Ġ. :		3, 7,	r 29	12.41	5.15	13.13	5.79	SP
9		f 7 7 1		וני סנ	3,89	12.87	5.22	<u>}</u>
33		12 35	j (	5 0	2 65	13.06	5 27	18
7	3.91	12.69	4.5/	Q (13	60:1		5 23	10
.63	3 €2	10 96	4.56	8 33	3 %		55.5	Ċ
α:	4.34	11.32	5 59	8.5/	4.14	13 16	6 03	ᇳ
44	<b>,</b>	37.63	11 38	28.47	10.19	40 44	13.91	₩5
;		34 48	14.11	27.16	10.48	39 19	15.84	T.
?			;	23 36	8 85	39 44	13.96	¥.
5.64	6.17	34 25	/9-11	70.07	3		. 7	ţ
=	\$ 8.24	24 05	8 53	27.34	8.83	28.13	8.91	5
7 02	6 77	18.**	<b>6</b> 80	32 .1	8.56	28 79	7.45	こ
r.								
	•	•			;		781	z
	503		3227		0/		5	



É

AREA II (YEW YORK, PENNSY VAVIA AND DELAMARE)

	6	3-5	-	k-6	POST-HIGH SCHOOL GPADUATE FEMALES	H SCHOOL FEMALES	PAST-MIGH STMUNI GRADIATB MALKS	574901 <b>MALES</b>	
Part	٤		<del>-</del> -	, ,	£ <sup>†</sup>	<b>&gt;</b>	<b>5</b>	v.	<sup>c</sup> art
S	16.35	11 64	88 68	11 03	51 34	14 45	44.51	16 47	()
ž.	12 27	4 50	12 41	4 68	13 12	5 12	12 92	91 9 .	â
ξ. α <u>.</u> /	13.96	4 89	11 69	5 30	11 10	5.36	11 97	5.59	Q eT
<u>با</u>	5 93	3 36	12 29	4.69	6 62	4.05	14.35	5 84	35.
Sp	11.68	5 91	12 55	5 35	11 45	5 28	13.16	5 96	dS
Ų.	9,69	10 +	12 42	4 66	00 6	4.21	12 39	5 16	<u>۶</u>
15	7 43	3 63	12,58	4 43	7.82	4 13	13.67	5.30	SI
A I	6 94	3.54	10 96	• 4 44	7.48	4 60	13.25	5 58	Α1
	6 83	4 24	11.50	5 24	7.57	4.68	12.75	6.02	13
S.	26 54	10.08	27 72	11 88	27 10	10.94	40.51	14.30	ВЭ
EL	23.25	10.54	35.43	13 60	24 14	12.11	37 89	15 78	1
<u> </u>	23.48	3.91	34.33	11.54	23 96	11.36	38.90	14.58	Σ
5	23.73	3 22	24.10	8 74	24.22	9.10	24.79	9.27	51
J.	27.73	69.9	25 20	6.73	. 16.92	7,30	27.42	8.55	ರ
25	41	4174	ĸ	5748		102	2	202	z



? ((ont'd)	AREA III (DISTRICI OF COLUMBIA, MARYLAND, NORTH CAROLIMA, SOUTH CAROLIMA, VIRGINIA AND WEST VINGINIA)
) )	CAROI
TABLE 17 (Cont	NORTH
	MARYLAND &
,	COLUMBIA,
	9
	(DISTRIC)
	111
	AREA

	Part	CS	¥	AR	¥	5,	∑ <b>?</b>	SI	AI	ŁI	-	11	¥.	61	CF
SCHOOL MALES	5	13 80	5 29	5 84	5 20	5.82	5 29	4.91	5 16	5.48	13.32	14.79	13 65	9.81	3.15
POST-HIGH SCHOOL GRADUATE MALES	Σ	45.75	13.34	13.92	14.13	13.21	13 49	13.74	13.90	13.69	40.68	40.87	41.28	27 26	28.29
SCHOOL EMALES	\$	13.76	5.34	5 98	3.95	5.57	4.41	4 19	3.55	4.27	12.09	11.31	18.6	10.41	8.15
POST-HIGH SCHOOL GRADUATE FEMALES	Σ	26 09	12 92	11 37	5 81	11.94	9.29	7 50	8.54	8.31	26.94	25 91	. 26.37	24 30	29.61
Σ	2	13 66	5 42	5.53	4 88	5.46	5.22	4.80	4.87	5.55	12 99	14 85	13.25	6 7 6	8.38
₩-6	Σ	38.03	9 83	9.55	11.3	6.97	10.44	10.99	10 23	9.19	31 95	28.82	30.91	19 38	22.18
	· ~	14 87		5 13	3.54	4 96	4 19	5 71	3.94	4 32	10.19	11 04	80 01	86 8	8.02
J-6	5	, 06 <b>t</b> 2	28 6			9 03	7.85	6 49	6.87	5.69	22 05	19.23	21.59	18 33	24.49
** **	Part		ე <u>ჯ</u>	. c		a S	္	: 13	AI	<u></u>	<b>2</b> 5	<u>ب</u> ـــ	E S	21	ל



¢

TABLE 17 (CONT'd)
AREA IV (ALABAMA, FLORIDA, GEORGIA, MISSISSIPPI AND TENNESSEE)



82

3620

SCHOOL MALES	5	13.99	5.25	5.56	5.65	6 03	5.27	5.59	11 8	96 9	14.93	15.65	15.17	9.39	86.,
POST-HIGH SCHOOL GRADUATE MALES	Σ	43.58	12 38	12.21	14 94	13.17	13.07	14.58	14.55	13.67	42.33	40.41	42.17	24.65	, 26.95
SCHOOL FEMALES	S	15.86	5.69	6.17	4.79	5.94	4.85	4.32	4.05	4 80	/ 12.69	12,57	19.72	10.73	8.28
POST-HIGH SCHOOL GRADUATE FEMALES	Σ	51.28	13.18	10 95	6.77	11.38	10.10	8.38	8.92	8.73	28 13	27.56	27.93	24.13	29.95
<b>5</b> 5	2	12.30 /	5.08	5 40	4.83	5.41	4.93	4.88	4 89	5.68	13.02	14.87	13.01	9.35	7 54
¥-6	Σ	31.95	n.n	10.71	12.24	11.00	11.51	12 33	10.65	10 34	36.26	32.18	32.81	28 12	23.42
<b>L</b> u-	ار	13 14	4.73	5 14	3.46	5.04	4.18	3.85	3 /7	4 47	10.69	11	95.6	3.7	7.32
<b>3-</b> 6	<b>5</b>	44.39	11.13	3 94	5.93	10.83	8 31	7.32	• 68 9	6.19	25 46	2; 20	22 59	וו ו׳	25 63

TABLE 17 (Cont'd)

Part
CS
WK
AR
AR
AR
SP
MC
SI
EI
EI
GM
GM
MM



TABLE 17 (Cont'd)

AREA VI (10WA, MIMMESOTA, MONI , NORTH DAKOTA, SOLTH DAKOTA AND WISCONSIN)

	Part	S	X	AR	¥	dS	Σ	Sı	AI	E1	<b>X</b>	£f	£	25	ರ	z
SCHOOL MALES	2	15 72	4 12	5.39	4.93	5.29	3.70	4.61	4 40	5.20	12.32	12.45	10.39	80.8	7.27	93
POST-HIGH SCHOOL GRADUATE MALES	2	- 45 24	14 17	13 74	15 99	14 63	14 63	15.85	15 77	14.80	46.33	44.23	46.18	16.72	28 95	
FEMALES	S	14 24	3.88	4.84	4.59	4.71	4.48	4.38	3.89	4.49	11.46	11.27	10.26	7.84	7.78	36
POST-HIGH SCHOOL GRADUATE FEMALES	Σ	54.90	14.53	14.23	9.13	13.30	11 17	8.50	8 97	8.90	30.30	28.97	29.10	28.77	32.47	.,
₩-6	S	10.86	4.65	5.33	4.57	5.31	4.51	4.08	4.54	5.05	11.23	13.16	11,54	8 64	6.65	. 259
	Σ:	40.55	13.00	12.27	13.49	12.75	13.31	* 13.54	12.09	12.20	39.83	37.72	37.48	25.27	26.19	
7-6	5	10.80	4 25	4.70	3.28	5 11	4.06	3.68	3.29	3.90	96 01	69.6	89.8	7.78	6.16	62.2
, 01	Z	47.25	13.20	11 51	6.50	11.99	10.02	8 02	7 55	6 78	28.03	23.58	25.32	24.71	28.60	v
	Part	cs	ž	AR	×	SP	Æ	SI	AI	 	<b>%</b>	답	F	GT	บ	z

TABLE 17 (Cont'd)

AREA VII (ILLINOIS, KANSAS, MISSOURI AND NEBRASKA)

	4-6	Ç.	W-6	POST-HIGH SCHOOL GRADUATE FEMALES	I SCHOOL FEMALES	POST-HIGH SCHUOL GRADUATE MALES	H SCHUOL E MALES	
ام		æ	s	Σ	\$	<b>x</b>	,	Part
47 58 12.75		41.21	11.53	54.26	14 40	43.07	11 90	CS
12 53 4.82		12.86	4.69	13.56	4.84	13.49	5.12	*
		3.94	5 37	10 42	6.45	12 98	21 9	AR
0 3.34		12 00	5.30	99 -	3 66	15.57	5.35	¥
1 4.87		12.69	5 33	12 60	1.64	13 69	3 85	SP,
9 45 4.12		12.80	4.60	9.84	4.25	13 98	5.32	<b>W</b> C
		12.82	4.32	8.16	3.60	14.42	5 35	SI
		10 82	4 61	9 26	3.55	14.58	5.05	ΑΙ
5 4 05		11.46	5.29	4.06	4.26	13.74	4 89	13
5 10.11		38,33	11.63	28.93	9 51	42.52	14.13	W5
21.96 10.26		35.,71	13.57	27.95	10.95	41.46	13.25	ದ
		34.45	11.79	28.35	9 38	43.14	13.70	£
		24.80	8 88	23.98	10.16	26.48	10.12	15
28.04 6.99		26.27	6 82	31.29	7.98	27.45	7.21	บี
1480			1991		55	,	124	<b>.</b>

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TABLE 17 (Cont'd)	(ARKANSAS, LOUISIANA, OKLAHOMA AND TEXAS)
	II (ARKAN
	AREA VIII

PUST-HIGH SCHOOL GRADUATE MALES	M S Part	48.16 14.50 CS	12.79 5.63 W	12.66 6.06 AR	14.65 5.29 Tr		5.49 4.99	5.49 4 99 4.84	5.49 4 99 4.84 5.26	5.49 4 99 5.26 5 65	5.49 4 99 4.84 5.26 5 65	5.49 4 99 4.84 5.26 5 65 13.10	5.49 4.84 5.26 5.65 13.10 14.78	5.49 4.99 4.84 5.26 5.65 13.10 14.78 13.75	5.49 4.94 4.84 5.26 5.26 13.10 14.78 13.75 10.67	5.49 4.84 5.26 5.65 13.10 14.78 13.75 10.67
SCHOOL MALES	Z.;	16.05	5 65	5.88	4.04	5.42										
POST-HIGH SCHOOL GRADUATE FEMALES	χ.	54.93	12 77	10.83	6 35	71.85	71.85 9.55	71.85 9.55 7.53	71.85 9.55 7.53 8.49	71.85 9.55 7.53 8.49	71.85 9.55 7.53 8.49 7.71	11.85 9.55 7.53 8.49 7.71 26.97	71.85 9.55 7.53 8.49 7.71 26.97 24.98	11.85 9.55 7.53 8.49 7.71 26.94 24.98 26.54	71.85 9.55 7.53 8.49 7.71 26.91 26.54 26.54 30.77	71.85 9.55 7.53 8.49 26.97 26.54 26.54 30.77
¥-6	S	12.23	5 27	5 59	4 90	5.65	5.65	5.65 5.08 4.65	5.65 5.08 4.65 4.50	5.65 5.08 4.65 4.50 5.38	5.65 5.08 4.65 4.50 5.38	5.65 5.08 4.65 4.50 5.38 12.68	5.65 5.08 4.65 4.50 5.38 12.68	5.65 5.08 4.65 4.50 5.38 12.68 14.45 12.22	5.65 5.08 4.65 4.50 5.38 12.68 14.45 12.22 9.66	5.65 5.08 4.65 4.50 5.38 12.68 12.22 7.67
	×	38.10	11 21	10.74	12.08	11.94	11.94	11.94	11.94	11.94 11.99 12.33 11.32	11.94 11.93 12.33 11.32 10.39	11.94 11.95 12.33 11.32 10.39 36.59	11.94 11.94 12.33 11.32 10.39 36.59 32.78	11.94 11.95 12.33 11.32 10.39 36.59 32.78 34.63	11.94 11.95 12.33 11.32 10.39 36.59 32.73 34.63 21.95	11.94 11.95 12.33 11.32 10.39 36.59 32.73 34.63 21.95 23.58
3-6	S	13 64	5.13	3.38	3.51	57.5	5.25	5.25 4.29 3.75	5.25 4.29 3.75 3.66	5.25 4.29 3.75 3.66 4.14	5.25 4.29 3.75 3.66 4.14 10.30	5.25 4.29 3.75 3.66 4.14 10.30	5.25 4.29 3.75 3.66 4.14 10.30 10.71	5.25 4.29 3.75 3.66 4.14 10.30 10.71 9.53	5.25 4.29 3.75 3.66 4.14 10.30 10.71 9.53 7.56	5.25 4.29 3.75 3.66 4.14 10.30 10.71 9.53 7.56
J.	2	45 03	10.87	9.52	5.35	n.n	11.11	9.09	9.09 6.08 7.33		11.11 9.09 6.08 7.33 7.84 25.06					11.11 9.09 6.08 7.33 25.06 20.77 23.75 20.39 25.54
	Part	S	ž	AR	¥	SP	g <del>ž</del>	SP 4C SI	SP 4C AI	SP 4C SI AI	SP 4.1 8.1 6.4 6.1 6.4 6.1	SP 41 81 63 63 63 63 63 63 63 63 63 63 63 63 63	SP 41 51 €	SP 41 81 81 81 81 81 81 81 81 81 81 81 81 81	SP 41 SI 41 CC CC CC	SP 41 81 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6



TABLE 17 (Cont'd)

A 12 A IX (ARIZONA, COLORADO, IDAHO, NEW MEXICO, NEVADA, UTAH AND WYOMING)

	Part	SS	ž	AR	¥	SP	Œ	SI	AI	Ξ	<b>.</b>	. 핍	¥.	51	บ	z
SCH00L MALES	S	16.40	15.48	6.20	5.43	5 79	4.77	4.77	5.70	5.62	12 53	14.21	14.45	10.43	8.95	9/
PUST-HIGH SCHOOL	Œ	44 49	12.61	12.54	15.74	13.32	13 09	15.03	14.90	12.42	43.37	37.93	42.88	25.15	27.05	
SCHOOL FEMALES	S	14.39	5.42	5.43	3.87	5.69	4 78	5.02	4.20	4.61	11.77	12.71	10.82	10.29	8.20	28
POST-HIGH SCHOOL GRADUATE FEMALES	Σ	51.79	13.68	11.82	7.75	12.32	10.75	8.07	8.^3	7.96	28.46	£56 68	27.61	25,50	3.71	
<b>¥-</b> 6	S	12.65	5.10	5.43	4.62	5.16	4.79	4.45	4.52	5.55	11.67	14.38	12.05	9.30	7.63	789
6	Σ	39.25	11.15	10.61	12.65	12.16	12.21	12.71	11.29	10.34	37.58	32.89	34.79	21.75	73.90	
u. -5.	S	13 23	4.67	5.19	3.53	5.04	4.22	3.89	3.68	4.03	10.83	10.15	9.40	8.81	1.28	9690
g,	Σ	45.85	11 29	2.79	6.25	11.06	23.6	7.65	7.56	6.40	26.37	21.83	24.14	21.08	26.23	
	ה הייר	ا ا	3 3	۷ C	; <u>×</u>	: 27	ي ا	?: IS	: ন	• • : al	; ;	; <u> </u>	; €	. 19	נו	z

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TABLE 17 (Cont'd)
AREA Y (ALASKA, CALIFORNIA, HAWAII, OREGON AND WASHINGTON)

	j-6	14-		¥-6	P0 6R	POST-HIGH SCHOOL GRADUATE FEMALES	CHOOL YAL ES	POST-HIGH SCHOOL GRADUATE MALES	SCHOOL YALES	
Part	×	S	Σ	· · · · · ·	E		\$	2	S	Part
CS	43.65	11.44	38,00	10.70		50.28	14.50	44.53	14.32	CS
¥	12.56	4.68	12.47	4.78		15 41	90.9	14.15	5.43	ž
AR	10.64	5.15	11.61	5,41		13.10	6.07	14.07	6.25	AR
, ¥	6.34	3 53	13.21	4.71		7 40	4.72	16.36	5.32	¥
g.	11 80	4.99	12.92	5.22	13.11	=	5.61	15.70	6.05	SP
MC	9.73	4.17	12.86	4.66		10.86	4.74	14.66	5.47	Σ
SI	7.32	3.80	13.05	4.54		9.29	4.93	15.44	5.14	SI
AI	7.09	3.69	11.11	4.69		9.33	4.32	15.47	5.57	ΑI
EI	60.9	4.29	11.05	5.63		8.87	4.78	14.50	5.25	EI
GM	26.44	10.37	39.05	12.02	31 68	89	13.04	46.57	14.21	3
EL	21.91	10 76	34.97	14.28	28.60	09	12.59	43 66	14.78	ដ
¥	23.90	9.41	35.09	12.16	29.45	45	11.59	45.61	14.83	Σ
GT	23 19	8.68	24.07	8.86	28.51	51	10.85	28.22	10.61	5
ಕ	26.77	6.89	24.79	6.71	31.86	98	8.42	99.87	8.66	บ
z	1937			2126 %		153		249	-	z



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MEANS AND STANDARD DEVIATIONS OF ASVAB SCORES BY GRADF AND SEX ON A NATION
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	Part	S) 51		AN AN	85 AR	17 TK	92 69		NS ₩C	48 SI	5.20 AI		68 E1	21 GM	14.99 EL		7	71 GT	85 CL•		2	æ
Total	\$	48 55 14.15	•	13.78	13.29 5	10.98 6	12 AE 5	י	12.51 5	11.60 5	11.48 5.		31.116	36 65 14	34.84 14.			27.07	29 63 7			771931
	2	13 19		<b>4</b> .88	5.78	5.23		5.74	4.83	4.64	4.76		5.05	12.77	13.55		12.53	9.53	7.58			38
12-M	=	47.32	<u> </u>	14.32	14.73	15.25	;	14.61	14.71	15.16	14 05		14.52	44.94	43.75		44.61	29 11	29.76			216238
12-F	S	12.75	2	4.93	5.73	4.15		5.52	4.41	4 00	,	6.63	4.31	11.27	11 20	27:	9.50	9.58	7 67	5		171774
=	Σ		2	14.25	13.03	6.85		12.96	10.83	8.32	6	9.0	8.75	29.60	20 22	76.02	28.97	27.29	31 05	66.16		171
₩-11	S		26.21	4.75	5.76	ر 13	) -	5.65	4.75	4.65	;	4.75	5.20	12.59	,	13.74	12.34	9.35	,	66.7		11026
	Σ		46.14	14.24	14.48	14 73		14.73	14 60	14.75		13.87	13.97	44.22		47.55	42.34	28 72	0	62.62		92
11-F			13.25	4 75	5.61	2 80	50.0	5.45	4.31	2 86	3	3.57	4.25	10.85		10.93	9.3.	9.26	,	7.25		77528
	35		53.07	14 34	13,66	F	1).0	13.30	10.99	71 0	:	8.46	8 17	20 58	25.61	27.34	27.90	27.41		31.70		6-
₩-01	v		13.03	4.99	02.5	, ,	وي د	5.65	4 94		<del>.</del>	4.75	5,55	12 27	,,,,,,	14.59	12.60	9.53		7.58		66445
	3	-	42.57	12.77	10.56		13.48	13.25	13 16		13.54	12.20	12.23	5	40.35	37.63	37.56	25, 33		26.63		ū
j-01			13 54	α 6.	) (	FC C	3.70	5 30	7 V	;	3.86	3 73	72		67.01	11,15	9 67	0 13	?	7.40		59586
	:	Σ	<del>29 6</del> ‡	1: 83	50.71	1.38	6.39	12	- 0	56.6 5	, ,	7.69		2 :	11,275	24.19	25, 30	10 40	17:47	29 03		ď
		Part	S		ć i	¥	à.	92	ħ .	ڍ	;	-1			ħ	ដ ,	š	: {	ò	ರ		r



s HIGH SCHOOL JATE MALES	S	14.80	5.37	5.95	5 41	5 78	5 12	5.13	5.31	99.6	13.80	15.03	13.99	10.08	8.46	
ATIUMAL BASIS POST-HIGH GRADUATE P	Σ	45.29	12.94	12.99	14.68	13.52	13.31	14 18	14.27	13.46	41.8/	40.22	41.85	25.92	27.70	
D SEX ON A NU SCHOOL FEMALES	\$	15.91	59.5	5.88	4.15	5.44	4.44	4.25	3.99	4.50	11.73	11.80	10.54	10.49	8.72	
MEANS AND STANDARD DEVIATIONS OF ASVAB SCORES BY GRADE AND SEX ON A NATIONAL BASIS POST-HIGH SCHOOL GRADU. GRADUATE FEMALES	Σ	52 66	12 70	10.90	6.21	11.42	9.32	7.59	8,59	7.79	26.59	24.89	26.50	23.61	29.93	
OF ASVAB SCO	5	12.10	5.05	5.48	4.81	5.49	4.88	4.61	4.62	5.53	12.45	14.43	12.21	9.34	7.44	
ARD DEVIATIONS (	Σ	38.96	11.89	11.26	12.16	12 03	12.09	12.30	10.83	10.81	36.64	33.72	33.71	23.15	24.54	
EANS AND STAND F	S	13.03	4.88	5.18	3 50	5.10	4.20	3.72	3.67	4.28	10.34	10.83	9 40	8.92	7.38	
ME) 9-F	I	45 48	12 04	10.40	5 84	11.10	9.22	7.19	6.97	6 27	25.47	21.76	23.15	22.43	26.86	

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